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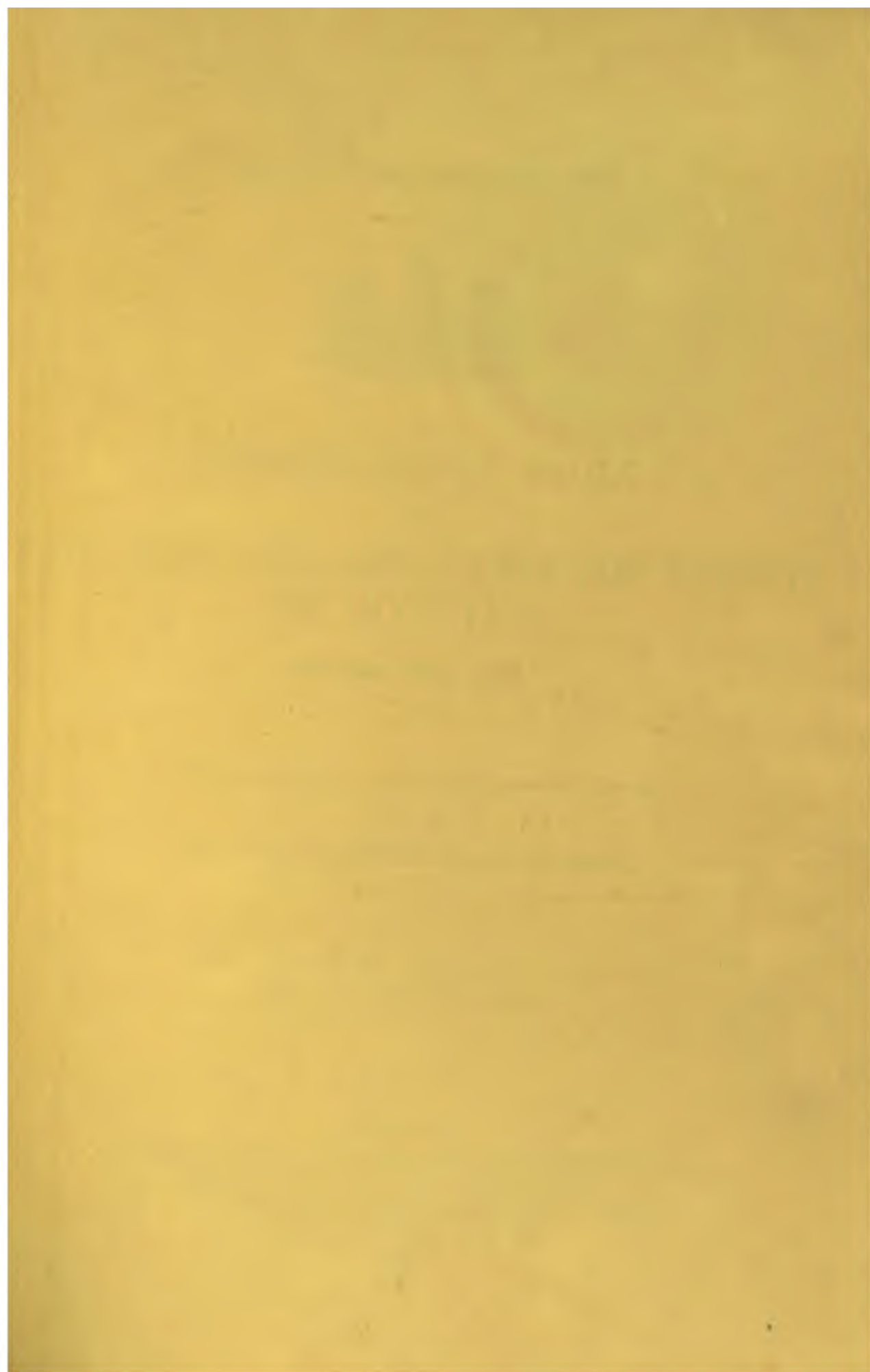
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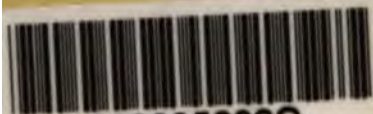




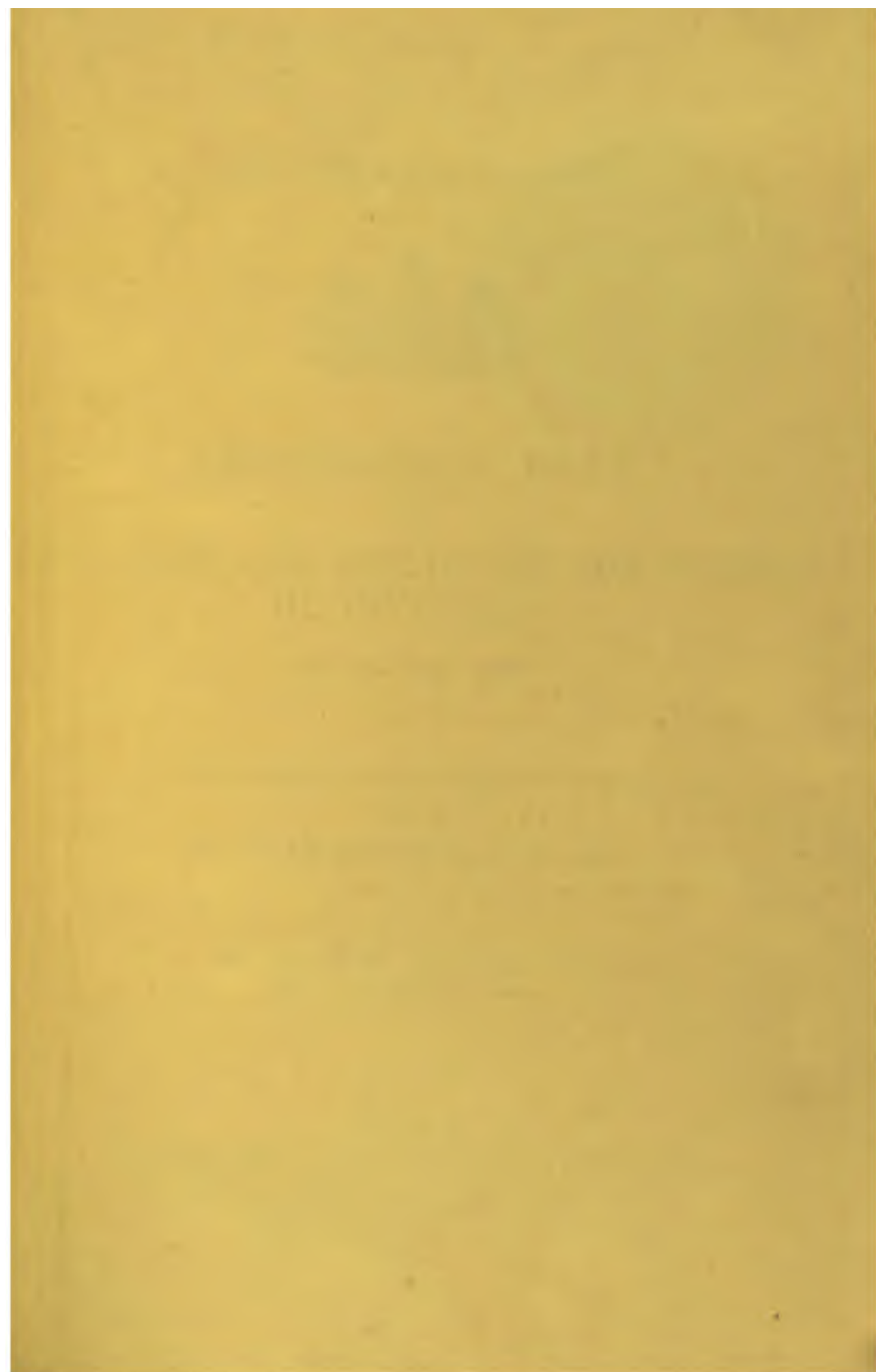


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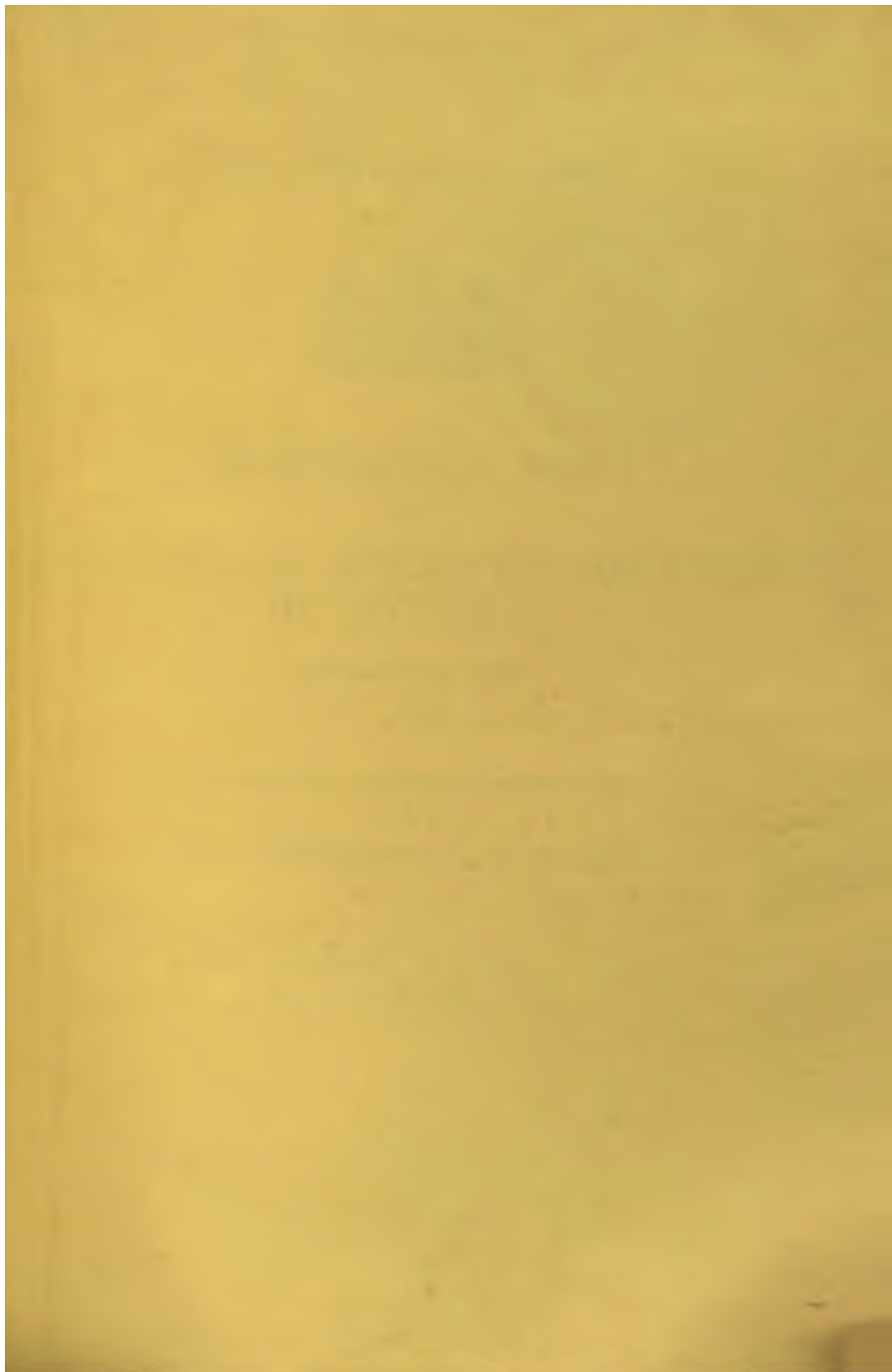


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15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.



CHRONOLOGICAL INDEX
OF
PATENTEES AND APPLICANTS FOR PATENTS
OF INVENTION,
For the Year 1868.

Printed and Published by Order of the Commissioners of Patents,

UNDER THE

ACT of 15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.

BY BENNET WOODCROFT,

CLERK OF THE COMMISSIONERS OF PATENTS.

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CHRONOLOGICAL INDEX

OF

PATENTS APPLIED FOR AND PATENTS GRANTED.

LAKE. 1st January 1868.	1. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in apparatus for regulating the speed of steam and other engines, and for indicating the power of the same."— <i>A communication to him from abroad by Edouard des François de Pontchalon, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
LAKE. 1st January 1868.	2. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in fire and burglar proof safes."— <i>A communication to him from abroad by Benjamin Sherwood and Daniel Fitzgerald, both of the City and State of New York, United States of America, Mechanical Engineers.</i> <i>Letters Patent sealed.</i>
LAKE. 1st January 1868.	3. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in electric telegraph apparatus."— <i>A communication to him from abroad by Elisha Gray, of Oberlin, Ohio, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
GOODYAR. 1st January 1868.	4. GEORGE ARCHIBALD DINELY GOODYAR, of Osborne Villas, Windsor, in the County of Berks, Esquire, for an invention for—"Improvements in the method of and machinery for propelling boats or vessels." <i>Letters Patent sealed.</i>
STROUDLEY. 1st January 1868.	5. WILLIAM STROUDLEY, of Inverness, Scotland, for an invention for—"Improvements in re-railing or replacing carriages or waggons on rails of railways." <i>Letters Patent sealed.</i>
WOOD. WOOD. 1st January 1868.	6. WILLIAM WOOD, and JAMES WILLIAM WOOD, of Monkhill, near Pontefract, in the County of York, for an invention for—"Improvements in the manufacture of cardings and yarns." <i>Provisional protection only.</i>
CLARK. 1st January 1868.	7. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in breech-loading ordnance."— <i>A communication to him from abroad by William Armstrong, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MILWARD. 1st January 1868.	8. HENRY MILWARD, of the firm of Henry Milward and Sons, of Redditch, in the County of Worcester, Needle and Fish Hook Manufacturers, for an invention for—"Improvements in needle cases."— <i>A communication to him from abroad by Theodore Givry, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
MORRELL. CRAVEN. 1st January 1868.	9. ROBERT WILSON MORRELL, and PHINEHAS CRAVEN, of Bradford, in the County of York, for an invention for—"Improvements in machinery or apparatus for spinning and doubling fibrous substances." <i>Provisional protection only.</i>
FRASER. 1st January 1868.	10. WILLIAM JOHN FRASER, of 10, Commercial Road East, in the County of Middlesex, Engineer, for an invention for—"Improvements in furnaces or fireplaces." <i>Letters Patent sealed; no specification filed.</i>
IMRAY. 1st January 1868.	11. JOHN IMRAY, of 190, Westminster Bridge Road, in the County of Surrey, Engineer, for an invention for—"Improvements in locomotion." <i>Letters Patent sealed.</i>

MAY. 1st January 1868.	12. CHARLES WILLIAM MAY, Manufacturer, of 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in the manufacture of metallic cartridges." <i>Letters Patent sealed.</i>
BEARD. 1st January 1868.	13. AMBROSE BEARD, of Alyn Vale, Gwersyllt, in the County of Denbigh, North Wales, Ironmaster, for an invention for—"Improvements in furnaces and firebars." <i>Provisional protection only.</i>
DAFT. 1st January 1868.	14. THOMAS BARNABAS DAFT, of Cleaves Lodge, Church Street, Chelsea, Civil Engineer and Naval Architect, for an invention for—"Improvements in the construction of iron ships and vessels." <i>Letters Patent sealed.</i>
RAMSBOTTOM. PEARCE. 1st January 1868.	15. JOHN RAMSBOTTOM, of Leeds, in the County of York, Engineer, and THOMAS MASSEY PEARCE, of Bradford, in the same County, Commission Agent, for an invention for—"Improved engines and generators for the same, to be worked by heated air, steam, or other gases or vapours." <i>Provisional protection only.</i>
VETTE. 1st January 1868.	16. BERTHA VETTE, wife of Theodor Vette, of Berlin, in the Kingdom of Prussia, for an invention for—"Improvements in the manufacture of 'cross-overs,' scarves and other articles of apparel, known as frame and knitted woollen goods." <i>Provisional protection only.</i>
FOSTER. 1st January 1868.	17. DAVID FOSTER, of Sheffield, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of anvils (of all kinds) for smiths' and every description of top and bottom faces for hammers for drawing-out purposes." <i>Provisional protection only.</i>
HAMILTON. 2nd January 1868.	18. MILTON ALEXANDER HAMILTON, of Detroit, Michigan, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved churn." <i>Provisional protection only.</i>
KRÜSS. KRÜSS. 2nd January 1868.	19. EDMUND JOHANN KRÜSS, and WILLIAM ANDRES KRÜSS, Owners of the firm of A. Krüss, Opticians, in the City of Hamburg, Adolfsbrücke, 7, for an invention for—"A new or improved camera or lantern for reflecting opaque objects." <i>Letters Patent sealed.</i>
IZOD. 2nd January 1868.	20. EDWIN IZOD, of Grocers' Hall Court, in the City of London, for an invention for—"Improvements in the finishing of stays and in means or apparatus employed therein." <i>Letters Patent sealed.</i>
COX. 3rd January 1868.	21. JOHN COX, of Birmingham, in the County of Warwick, Electro Plater and Gilder, for an invention for—"Certain improvements in fastenings for sleeve-links, which said improvements are also applicable to the fastening of brooch pin points, belt and other clasps, gloves, stay and legging busks, and other dress and jewellery fastenings." <i>Letters Patent sealed and specification filed by order.</i>
COCKINGS. POTTS. 3rd January 1868.	22. JAMES SEPTIMUS COCKINGS, of Birmingham, in the County of Warwick, Civil Engineer, and FERDINAND POTTS, also of Birmingham, aforesaid, Manager of Works, for an invention for—"Certain improvements in welded iron tubes for gas and other purposes where strength and lightness are required." <i>Provisional protection only.</i>
KEY. 3rd January 1868.	23. TURNER POWELL ASTON KEY, of Clifton Mount, Rotherham, in the County of York, for an invention for—"Improvements in scaffolding to be used for the erection of houses in the streets of populous places." <i>Letters Patent sealed.</i>
LONG. 3rd January 1868.	24. CÉSAR LONG, of Naples, Italy, but now of Knightsbridge, in the County of Middlesex, for an invention for—"A new or improved mode and apparatus for eliminating a portion of the azote in furnaces and fire-places, and for utilizing the oxygen and hydrogen of water as facilitators of combustion and as fuel, or as reducers and in some cases as decarburators."— <i>A communication to him from abroad by Charles Louis Klein and Jules Vallée, both of Naples, aforesaid.</i> <i>Provisional protection only.</i>
DELLAGANA. DELLAGANA. 3rd January 1868.	25. JAMES DELLAGANA, and BARTHOLOMEW DELLAGANA, both of Shoe Lane, in the City of London, and of Saint John Street Road, Clerkenwell, in the County of Middlesex, Printing Machine Makers and Stereotype Founders, for an invention for—"Improvements in printing machines and in the manufacture of electrotpe blocks to be used in such machines." <i>Letters Patent sealed.</i>

ROY. PREVETT. 3rd January 1868.	26. MARY ELIZA ROY, of Upper Norwood, and LOUISA PREVETT, of Penge, both in the County of Surrey, for an invention for—"An improved receptacle for containing needles, thread and other articles." <i>Letters Patent sealed.</i>
FRISBIE. 3rd January 1868.	27. MYRON JOHN FRISBIE, of New York, in the United States of America, and of 4, Fitzroy Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in mechanism or apparatus for feeding fuel into furnaces, fire-boxes and fire-grates." <i>Complete specification; Letters Patent sealed.</i>
EMMERSON. MURGATROYD. 4th January 1868.	28. JOHN THOMAS EMMERSON, and JOSHUA MURGATROYD, both of Heaton Norris, in the County of Lancaster, Millwrights and Engineers, for an invention for—"Improvements in the manufacture of iron and in the application thereof to certain useful purposes." <i>Provisional protection only.</i>
MORLEY. 4th January 1868.	29. WILLIAM WILSON MORLEY, of Wooburn, in the County of Bucks, for an invention for—"Printing of paper bags while in the process of making by Shaw's patent or other bag machines, or for printing paper from the reel." <i>Provisional protection only.</i>
BLINKHORN. 4th January 1868.	30. WILLIAM JOHN BLINKHORN, of St. Helen's, in the County of Lancaster, Candle Manufacturer, for an invention for—"Improvements in the manufacture of snuffless dip candles and in apparatus employed therein." <i>Letters Patent sealed.</i>
NEWTON. 4th January 1868.	31. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mechanical arrangement for converting power into speed and speed into power, and for multiplying and transmitting motion for all purposes where such movement can be applied and used."— <i>A communication to him from abroad by William Farr Goodwin, of East New York, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
SPENCE. SMITH. 4th January 1868.	32. PETER SPENCE, of Newton Heath, Manchester, in the County of Lancaster, Manufacturing Chemist, and WILLIAM ANDERSON SMITH, of Manchester, aforesaid, Merchant, for an invention for—"Improvements in storing meat for transport, whereby it may be preserved, and in apparatus connected therewith." <i>Provisional protection only.</i>
ATKINSON. 4th January 1868.	33. WILLIAM HENRY ATKINSON, of No. 66, Aldersgate Street, in the City of London, Manufacturing Chemist, for an invention for—"Improvements in the preparation and use of compositions for cleansing and sweetening casks and other vessels, such compositions being also applicable to other purposes." <i>Letters Patent sealed.</i>
ALBINI. 4th January 1868.	34. AUGUSTO ALBINI, of Genoa, and also of No. 1, New Broad Street Buildings, in the City of London, Captain in the Royal Italian Navy, for an invention for—"Improvements in cartridge belts or pouches." <i>Letters Patent sealed.</i>
GRAY. 4th January 1868.	35. WILLIAM BENJAMIN GRAY, of Whiteabbey, in the County of Antrim, in Ireland, Gentleman, for an invention for—"Improvements in spinning and twisting machines." <i>Provisional protection only.</i>
MUDGE. 4th January 1868.	36. GEORGE MUDGE, of No. 145, High Street, Notting Hill, in the County of Middlesex, Ironmonger, for an invention for—"Improvements in adjustable lock furniture." <i>Provisional protection only.</i>
NIXON. 4th January 1868.	37. JOHN NIXON, of No. 117, Westbourne Terrace, in the County of Middlesex, for an invention for—"Improvements in apparatus for transferring coal or minerals from railway waggons into barges." <i>Letters Patent sealed.</i>
PLATTS. TATE. BAILEY. 6th January 1868.	38. GEORGE PLATTS, of the Borough of Stockport, in the County of Chester, Agent, WILLIAM TATE, of the Township of Salford, in the County of Lancaster, Agent, and WILLIAM HENRY BAILEY, of Salford, aforesaid, Brass Founder, for an invention for—"An improved mode or method of and apparatus for laying fog signals on railways." <i>Provisional protection only.</i>
SOUTHBY. 6th January 1868.	39. EDMUND RICHARD SOUTHBY, of Lanark, in the County of Lanark, North Britain, Chemist, for an invention for—"Improvements in separating paraffine from its solutions and in apparatus therefor." <i>Letters Patent sealed.</i>
GOURDIN. 6th January 1868.	40. EUGÈNE GOURDIN, of Paris, Boulevard of Sebastopol, No. 113, Merchant, for an invention for—"Improvements in the modes or methods of combining a lamp or lighting appliance with a cane or walking stick." <i>Provisional protection only.</i>

STOKES. 6th January 1868.	41. THOMAS STOKES, of Kidderminster, in the County of Worcester, for an invention for—"Improvements in the manufacture of piled fabrics in imitation of the fleece or fur of animals." <i>Provisional protection only.</i>
MULHOLLAND. 6th January 1868.	42. JOSEPH RICHARDSON TURTLE MULHOLLAND, of Belfast, in the County of Antrim and Kingdom of Ireland, for an invention for—"An improved construction of 'creel' or bobbin-holder." <i>Provisional protection only.</i>
COMBE. 6th January 1868.	43. JAMES COMBE, of Belfast, in the County of Antrim and Kingdom of Ireland, for an invention for—"Improvements in machinery for winding or balling yarn or other twisted material." <i>Letters Patent sealed.</i>
CHAMBERLAIN. 6th January 1868.	44. FRANCIS CHAMBERLAIN, of Bredecot Court, near Worcester, Engineer, for an invention for—"Improvements in steam-boiler and other furnaces." <i>Letters Patent sealed.</i>
GARDNER. 6th January 1868.	45. JAMES GARDNER, of Number Forty-five, South Bridge, Edinburgh, in the County of Edinburgh, Surgical Instrument Maker, for an invention for—"Projecting liquids in the form of spray by a draft or current of air forced through part of the liquid, and an instrument or apparatus for such purpose." <i>Provisional protection only.</i>
HARTLEY. 7th January 1868.	46. FREDERICK WILLIAM HARTLEY, of 55, Millbank Street, in the City of Westminster, Gas Engineer, for an invention for—"Improvements in optical illusions used in conjunction with the magic lantern." <i>Provisional protection only.</i>
MYERS. CANNOT. 7th January 1868.	47. EDWARD MYERS, of Craven Street, Strand, in the County of Middlesex, and GUSTAVE ADOLPHE CANNOT, of Pudding Lane, in the City of London, for an invention for—"Improvements in the permanent way of railways." <i>Provisional protection only.</i>
ABEL. 7th January 1868.	48. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the county of Middlesex, Patent Agent, for an invention for—"An improved method or process for removing sulphur, phosphorus and other impurities from iron, steel and other metals."— <i>A communication to him from abroad by John Francis Bennett, of Pittsburgh, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
HUTCHINSON. 7th January 1868.	49. CHARLES HUTCHINSON, of Tufnell Park Road, Holloway, in the County of Middlesex, for an invention for—"An improved liquid metre tap." <i>Provisional protection only.</i>
ETEY. 7th January 1868.	50. STANLY ETEY, of 16, Great Windmill Street, London, in the County of Middlesex, for an invention for—"The publication and distribution of certain journals, almanacks, books, papers, &c., which in themselves form a complete system of business and other advertisements."— <i>A communication to him from abroad by Jean Charles Carol and Oscar Ollivier, both of Paris, in the Empire of France.</i> <i>Provisional protection NOT allowed.</i>
McEVoy. 7th January 1868.	51. HENRY McEVoy, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in fastenings for drapery, articles of dress, or wearing-apparel." <i>Letters Patent sealed.</i>
MAURY. 7th January 1868.	52. JAMES MAURY, of New Orleans, in the State of Louisiana, one of the United States of America, but at present residing at Liverpool, in the County of Lancaster, for an invention for—"Improvements in connecting the ends of metallic straps applied to bales of cotton and other merchandize." <i>Letters Patent sealed.</i>
TONGUE. 7th January 1868.	53. WILLIAM THOMAS TONGUE, of Wolverhampton, in the County of Staffordshire, Factor, for an invention for—"Improvements in lamps for burning paraffine and other hydrocarbon oils." <i>Letters Patent sealed.</i>
GRANVILLE. 7th January 1868.	54. JAMES GRANVILLE, of Liverpool, in the County of Lancaster, for an invention for—"Improvements applicable to lowering boats from ships' sides, in a seaway." <i>Provisional protection only.</i>
SMITH. 7th January 1868.	55. GEORGE SMITH, of Liverpool, in the County of Lancaster, Brass and Britannia Metal Finisher, for an invention for—"Improvements in apparatus for lubricating machinery." <i>Provisional protection only.</i>

DUNN. 7th January 1868.	56. JOSEPH BRAGG DUNN, of the City of Petersburg, in the State of Virginia, one of the United States of America, but at present residing at No. 44, Castle Street, Liverpool, in the County of Lancaster, for an invention for—"An improved buckle or tie for connecting the ends of metallic straps applied to bales of cotton and other merchandize." <i>Letters Patent sealed.</i>
SMYTH. 7th January 1868.	57. HENRY SMYTH, of Little Trinity Lane, in the City of London, Manufacturer, for an invention for—"Improvements in umbrellas, parasols and sunshades." <i>Letters Patent sealed.</i>
AVERY. 7th January 1868.	58. WILLIAM AVERY, of the firm of William Avery and Son, of Redditch, in the County of Worcester, Needle Manufacturers, for an invention for—"Improvements in the manufacture of needle cases." <i>Letters Patent sealed.</i>
DAVIES. 7th January 1868.	59. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the mode of combining wrought and cast-iron or other metals for various useful purposes."— <i>A communication to him from abroad by William Menorice Arnold, of New York, in the United States of America.</i> <i>Provisional protection only.</i>
WARSOP. 7th January 1868.	60. GEORGE WARSOP, of No. 73, Mount Street, Nottingham, for an invention for—"Improvements in mangles." <i>Letters Patent sealed.</i>
NORTON. BAILEY. 7th January 1868.	61. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, and WILLIAM HENRY BAILEY, of the Albion Brass Works, Salford, in the County of Lancaster, Brass Founder and Steam Gauge Manufacturer, for an invention for—"Improvements in apparatus for indicating and recording the fluctuations of the pressures and temperatures of liquids and fluids." <i>Letters Patent sealed.</i>
WARSOP. 7th January 1868.	62. GEORGE WARSOP, of No. 73, Mount Street, Nottingham, for an invention for—"Improvements in washing-machines." <i>Letters Patent sealed.</i>
DONISTHORPE. 7th January 1868.	63. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, Engineer, for an invention for—"Improvements in the construction of and mode of fixing joints, catches or other fastenings for brooches and other ornaments, and ornamental mountings and fittings for furniture and articles of vertu." <i>Letters Patent sealed.</i>
SPENCE. 7th January 1868.	64. PETER SPENCE, of Newton Heath, Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements applicable to roasting or calcining copper and other ores containing sulphur and also regulus, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
HEYWOOD. 7th January 1868.	65. BENNETT JOHNS HEYWOOD, of Colmar, in the Empire of France, but now residing at Loraine Road, Holloway, in the County of Middlesex, Gentleman, for an invention for—"An improved construction of coffee roaster." <i>Provisional protection only.</i>
GRANT. 8th January 1868.	66. MAURICE GRANT, of No. 40, St. Paul's Road, Camden Road, in the County of Middlesex, for an invention for—"Improved playing cards for the use of short-sighted and aged persons, as well as for persons of good vision." <i>Provisional protection only.</i>
TOMLINSON. 8th January 1868.	67. JAMES TOMLINSON, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for twisting and untwisting flax, hemp and other fibrous substances." <i>Letters Patent sealed.</i>
SIMON. 8th January 1868.	68. LOUIS SIMON, of Hutchinson Street, Wilford Road, in the Town and County of the Town of Nottingham, for an invention for—"A new mode of laying metal leaves on printed surfaces, and the apparatus connected therewith."— <i>A communication to him from abroad by Albert Emile Reinhardt, of Paris, No. 22, Rue Beautreille.</i> <i>Letters Patent sealed.</i>
GOLDSTEIN. 8th January 1868.	69. SIGMUND GOLDSTEIN, of Manchester, in the County of Lancaster, Merchant, for an invention for—"Improvements in that portion of gentleman's attire called the vest or waistcoat." <i>Letters Patent sealed.</i>
WALKER. MONEY. 8th January 1868.	70. MOWBRAY WALKER, of 1, Essex Street, Strand, in the County of Middlesex, Engineer, and GEORGE HENRY MONEY, of 6, Jermyn Street, in the County of Middlesex, Lieutenant Colonel, for an invention for—"Improvements in breech-loading small arms, including pistols, and in the cartridges to be used therewith." <i>Letters Patent sealed and specification filed by order,</i>

- OMMANNEY.
SCOTT.
8th January 1868.
71. FREDERICK FRANCIS OMMANNEY, of Salford, in the County of Lancaster, Engineer, and EDWARD SCOTT, of the City of Manchester, in the said County, Engineer, for an invention for—"Improvements in forcing and raising water for feeding boilers and for other similar purposes." *Provisional protection NOT allowed.*
- PONTIFEX.
8th January 1868.
72. CHARLES PONTIFEX, of Northampton Grove, Ball's Pond, in the County of Middlesex, Back and Vat Maker, for an invention for—"Improvements in presses or apparatus for expressing wort from spent hops, the same being applicable for expressing fluids from other matters." *Letters Patent sealed.*
- BAILEY.
LOWTHER.
8th January 1868.
73. WILLIAM HENRY BAILEY, of the Township of Salford, in the County of Lancaster, Steam Gauge Manufacturer and Brass Founder, and JOSEPH WILSON LOWTHER, of the City of Manchester, Manufacturer, for an invention for—"Improvements in lubricating tallow cups." *Provisional protection only.*
- BACON.
8th January 1868.
74. GEORGE WASHINGTON BACON, of 337, Strand, in the County of Middlesex, Publisher, for an invention for—"Improvements in apparatus for gymnastic purposes." *Provisional protection only.*
- GIRDWOOD.
8th January 1868.
75. ROBERT GIRDWOOD, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in bags for transmitting samples or materials by post or otherwise." *Letters Patent sealed.*
- DAWSON.
HOWORTH.
8th January 1868.
76. JOHN DAWSON, and JOHN HOWORTH, both of Bacup, in the County of Lancaster, Esquires, for an invention for—"Certain improvements in looms for weaving." *Letters Patent sealed.*
- BENJAMIN.
8th January 1868.
77. SAMUEL BENJAMIN, of Lancaster Road, Bayswater, in the County of Middlesex, Merchant, for an invention for—"Improvements in receptacles for coin or other valuable articles."—*A communication to him from abroad by William Benjamin, of Montreal, in Canada.* *Provisional protection only.*
- KENWORTHY.
8th January 1868.
78. WILLIAM EDWARD KENWORTHY, of Crown Point Road, Leeds, in the County of York, Agricultural Chemist and Oil Merchant, for an invention for—"An improved method of purifying drains and sewers." *Provisional protection only.*
- NEWTON.
8th January 1868.
79. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of propelling vessels."—*A communication to him from abroad by Charles M. O'Hara, of the City and State of New York, United States of America.* *Letters Patent sealed.*
- GREENWOOD.
8th January 1868.
80. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in machinery for preparing to be spun silk, china grass and other similar fibrous substances."—*A communication to him from abroad by Mr. Auguste Veillon, of Basle, in Switzerland.* *Letters Patent sealed.*
- PETRIE, jun.
8th January 1868.
81. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in 'brats' or travelling surfaces for conveying wool and other fibrous materials out of or into washing machines, which improvements are also applicable to other machines in which similar travelling surfaces are required." *Letters Patent sealed.*
- TUCKER.
8th January 1868.
82. JOHN TUCKER, of Old Lenton, near Nottingham, Starch Manufacturer, for an invention for—"Improvements in dressing fabrics and yarns." *Provisional protection only.*
- TUCKER.
8th January 1868.
83. JOHN TUCKER, of Old Lenton, near Nottingham, Starch Manufacturer, for an invention for—"Improvements in the manufacture of paper." *Provisional protection only.*
- LAKE.
8th January 1868.
84. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in cutters for forming wood mouldings and for other like purposes."—*A communication to him from abroad by John Whitworth, William Whitworth and Alexander Bold Halliwell, all of Cleveland, Ohio, United States of America.* *Letters Patent sealed.*
- KING.
9th January 1868.
85. CHARLES JOSEPH BERRY KING, of Great Portland Street, in the County of Middlesex, for an invention for—"An improved process to be employed in the tanning of skins or hides." *Provisional protection only.*

NEWMAN. 9th January 1868.	86. CHARLES HENRY NEWMAN, of the Temperance Brewery, Brentford End, in the County of Middlesex, for an invention for—"Improvements in the manufacture of unfermented and unintoxicating malt liquors." <i>Provisional protection only.</i>
ARCHIBALD. 9th January 1868.	87. SAMUEL GEORGE ARCHIBALD, of Edinburgh, in the Kingdom of Scotland, for an invention for—"An improved mode of preparing tablets, paper and other surfaces, for receiving writing." <i>Letters Patent sealed.</i>
HEATH. 9th January 1868.	88. GEORGE ARTHUR HEATH, of Greenwich, in the County of Kent, Carpenter, for an invention for—"Improvements in sash fastenings." <i>Provisional protection only.</i>
WINDER. 9th January 1868.	89. RICHARD WINDER, of Farningham, in the County of Kent, Engineer, for an invention for—"A new folding machine for folding sheep, and in making temporary enclosures in place of hurdles, nettings and other plans." <i>Letters Patent sealed.</i>
McMULLEN. 9th January 1868.	90. OSMOND HENRY McMULLEN, of Bridge Brewery, Hertford, in the county of Hertford, Brewer, for an invention for—"An improved mashing machine." <i>Complete specification: Letters Patent sealed.</i>
VIVEZ. 10th January 1868.	91. JOSEPH VIVEZ, of Quai Jemmapes, Paris, in the Empire of France, Lamp Manufacturer, for an invention for—"Improvements in the construction of lamps for burning volatile hydrocarbons and other mineral essences or compounds." <i>Provisional protection only.</i>
LEWTAS. 10th January 1868.	92. JOSEPH LEWTAS, of the City of Manchester, in the County of Lancaster, Window Blind Manufacturer, for an invention for—"Improved apparatus for holding and releasing the cords of venetian and other blinds." <i>Letters Patent sealed.</i>
GLEW. 10th January 1868.	93. JOHN HENRY GLEW, of 19, Howland Street, Fitzroy Square, in the County of Middlesex, for an invention for—"Improvements in the manufacture of boots, shoes and gaiters." <i>Letters Patent sealed.</i>
MORTIMER. 10th January 1868.	94. SAMUEL MORTIMER, of Bradford, in the County of York, Machine and Tool Maker, for an invention for—"Improvements in machinery for combing wool or other fibrous substances." <i>Provisional protection only.</i>
FAWCETT. 10th January 1868.	95. JOHN FAWCETT, of Kirton in Lindsey, in the County of Lincoln, Cake Manufacturer, for an invention for—"An improved manufacture of cattle food." <i>Provisional protection only.</i>
ROWAN. 10th January 1868.	96. JOHN MARTIN ROWAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the manufacture of artificial fuel."— <i>A communication to him from abroad by Josef Ritter Von Stummer-Traunfels, residing at Vienna, in Austria.</i> <i>Provisional protection only.</i>
DAVIES. 10th January 1868.	97. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved self-supplying pen."— <i>A communication to him from abroad by Antoine Edouard Brishart-Gobert, of Paris.</i> <i>Provisional protection only.</i>
TONGUE. 10th January 1868.	98. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in apparatus for sewing the backs of books, for the purpose of binding the series of numbers or separate sections of a book or volume together."— <i>A communication to him from abroad by Henry Graham Thompson, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
COCHRANE. 11th January 1868.	99. HENRY COCHRANE, of the Longlands, Middlesborough-on-Tees, in the County of York, for an invention for—"Improvements in machinery or apparatus for making moulds for hollow and other castings, and for testing or proving hollow castings." <i>Letters Patent sealed.</i>
CHAMPNESS. 11th January 1868.	100. WILLIAM CHAMPNESS, of Manchester, in the County of Lancaster, for an invention for—"Improvements in the method of ornamenting wearing-apparel, termed stays and corsets, or riding belts." <i>Provisional protection only.</i>
LEMON. 11th January 1868.	101. CAMPBELL SWEENEY LEMON, of Liverpool, in the County of Lancaster, Ship Owner, for an invention for—"Improvements in shirt fronts and other similar garments." <i>Letters Patent sealed.</i>

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| <p>BUDENBERG.
11th January 1868.</p> <p>PILLING.
SCAIFE.
11th January 1868.</p> <p>HIRST.
HIRST.
11th January 1868.</p> <p>SOMERVELL.
11th January 1868.</p> <p>HOOPER.
11th January 1868.</p> <p>ELLISON.
11th January 1868.</p> <p>HODGSON.
11th January 1868.</p> <p>TONGUE.
11th January 1868.</p> <p>YOUNG.
11th January 1868.</p> <p>JOHNSON.
11th January 1868.</p> <p>WHITWELL.
11th January 1868.</p> <p>IRELAND.
11th January 1868.</p> <p>ELLIN.
11th January 1868.</p> <p>HAMILTON.
13th January 1868.</p> <p>PITTAR.
13th January 1868.</p> | <p>102. ARNOLD BUDENBERG, of the firm of Schäffer and Budenberg, of Manchester, in the County of Lancaster, for an invention for—"Improvements in steam hammers."—<i>A communication to him from abroad by Carl Mund, of Stephansbrücke, No. 15, Magdeburg, in the Kingdom of Prussia, Engineer.</i> <i>Letters Patent sealed.</i></p> <p>103. JAMES PILLING, of Colne, in the County of Lancaster, Machinist, and ROBERT SCAIFE, of the same place, Overlooker, for an invention for—"Certain improvements in machinery or apparatus to be employed in spinning, twisting or doubling cotton, silk or other fibrous substances." <i>Letters Patent sealed.</i></p> <p>104. JOSEPH HIRST, Machinist, and WRIGHT HIRST, Clog and Patten Maker, both of Halifax, in the County of York, for an invention for—"Improved machinery to be employed in the manufacture of clog soles and patten boards." <i>Provisional protection only.</i></p> <p>105. JOHN SOMERVELL, of Kendal, in the County of Westmoreland, for an invention for—"An improved method of obtaining and preserving alimentary substances in a highly concentrated form." <i>Provisional protection only.</i></p> <p>106. WILLIAM WILLIAMS HOOPER, of Bow, in the County of Middlesex, Optician, for an invention for—"Improvements in apparatus for giving signals on board ship or other places." <i>Letters Patent sealed and specification filed by order.</i></p> <p>107. JAMES CHARLES ELLISON, of Rawfolds, near Cleckheaton, in the County of York, Dyer, for an invention for—"Improvements in machinery for folding fabrics, and also for inserting papers, metallic plates or other suitable substances between the folds of fabrics, for pressing." <i>Provisional protection only.</i></p> <p>108. NATHAN HODGSON, of New Barnet, in the County of Hertford, Machinist, for an invention for—"Improvements in engines to be worked by water pressure, compressed air or other elastic fluid." <i>Provisional protection only.</i></p> <p>109. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for sizing the backs of carpets and other pile fabrics."—<i>A communication to him from abroad by Henry Graham Thompson, of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>110. WILLIAM DENOON YOUNG, of Edinburgh, in the County of Mid Lothian, North Britain, Iron and Wire Fence Manufacturer, for an invention for—"Improvements in wedging and fastening fences and other similar structures." <i>Provisional protection only.</i></p> <p>111. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in pipes for smoking."—<i>A communication to him from abroad by Thomas Monro Hammond, of the City of Montreal, in the Province of Quebec, in the Dominion of Canada, Gentleman.</i> <i>Letters Patent sealed.</i></p> <p>112. THOMAS WHITWELL, of Thornaby Iron Works, Stockton-on-Tees, in the County of Durham, Iron Master, for an invention for—"Improvements in furnaces." <i>Letters Patent sealed.</i></p> <p>113. GEORGE IRELAND, of Handsworth, in the County of Stafford, Manager of Works, for an invention for—"Improvements in cruet frames, liquor frames, and other frames for holding bottles and vessels and other articles." <i>Letters Patent sealed.</i></p> <p>114. THOMAS SKEVINGTON ELLIN, of the firm of Thos. Ellin and Co., Sheffield, in the County of York, and Halifax, Nova Scotia, for an invention for—"An improved self-securing skate."—<i>A communication to him from abroad by John Forbes, of Halifax, Nova Scotia.</i> <i>Letters Patent sealed.</i></p> <p>115. MILTON ALEXANDER HAMILTON, of Detroit, Michigan, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved device for holding pens, pencils, papers and other articles." <i>Provisional protection only.</i></p> <p>116. PARKE PITTAR, of No. 26, Gresham Street, in the City of London, for an invention for—"Improvements in mineral and rock drilling apparatus." <i>Letters Patent sealed.</i></p> |
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KIRBY. 13th January 1868.	117. JOHN MALSBRURY KIRBY, of Northampton, in the County of Northampton, for an invention for—"Improvements in the means of and apparatus for generating steam and warming buildings." <i>Provisional protection only.</i>
FIRTH. 13th January 1868.	118. WILLIAM FIRTH, of Rose Villa, Viewforth, Edinburgh, County of Mid Lothian, for an invention for—"Improvements in valves made from india-rubber or other similar elastic material, the said valves being applicable in the construction of fluid or gaseous pumps, enemas, syringes, spray producers, and other instruments where valves are in use." <i>Letters Patent sealed.</i>
WATKINS. 13th January 1868.	119. CHARLES ADOLPHUS WATKINS, of the firm of Hamilton and Co., Brush Manufacturers, of 9 and 10, Greek Street, Soho Square, for an invention for—"Improvements in the manufacture of ties for painting and other brushes." <i>Provisional protection only.</i>
WOOD. 14th January 1868.	120. THOMAS WOOD, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in the construction of railway carriages and in the method of coupling the same, as also in the method of and apparatus for signalling between passengers, guards and engine drivers of trains, and officials and others at stations and other places." <i>Provisional protection only.</i>
GEDGE. 14th January 1868.	121. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of breech-loading fire-arms." — <i>A communication to him from abroad by Benoit-Dulin, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
ABEL. 14th January 1868.	122. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the treatment of woven fabrics for improving the appearance thereof." — <i>A communication to him from abroad by Eugène Paraf-Javal and Mathias Paraf-Javal, both of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
LEWIS. 14th January 1868.	123. CHARLES WILLIAM LEWIS, of 15, Langham Place, in the County of Middlesex, Merchant, for an invention for—"An improved spirit level." — <i>A communication to him from abroad by H. G. Julian, of New York, United States of America.</i> <i>Provisional protection only.</i>
COWLING. TURNER. 14th January 1868.	124. ALFRED COWLING and WILLIAM TURNER, of Ecclesall Road, Sheffield, in the County of York, Brass Turners, for an invention for—"An improvement in the construction or ornamentation of tape measure cases." <i>Provisional protection only.</i>
RAMSDEN. 14th January 1868.	125. JOHN CARTER RAMSDEN, of Bradford, in the County of York, Reed Maker, for an invention for—"Improvements in the mechanism or apparatus of looms for producing a certain class of fancy fabrics." <i>Letters Patent sealed.</i>
SAGAR. RICHMOND. 15th January 1868.	126. THOMAS SAGAR, of Burnley, in the County of Lancaster, Machine Maker, and THOMAS RICHMOND, of the same place, Manufacturer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
BOYER. 15th January 1868.	127. ACHILLE BARTHÉLEMY BOYER, Doctor of Medicine, of No. 54, Rue St. Lazare, Paris, in the Empire of France, for an invention for—"Improvements in the construction of aerial cradles." <i>Letters Patent sealed.</i>
ALEKAN. ALEKAN. 15th January 1868.	128. FELIX ALEKAN, and ISIDORE ALEKAN, Jewelers, both of No. 82, Boulevard Sébastopol, Paris, in the Empire of France, for an invention for—"Improvements in studs for shirt fronts and other similar purposes." <i>Letters Patent sealed.</i>
GEDGE. 15th January 1868.	129. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"The substitution of thin flexible and moveable blades or cutters of sheet steel, in lieu of rigid blades or cutters, in planing machines and machines cutting and shaping wood by means of rotating tools, and an arrangement which permits their use on tool holders or cutter stocks with curved, helicoidal, conical and other surfaces." — <i>A communication to him from abroad by Frédéric Godeau and Jules Trottier, both of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>

- BECKER.
15th January 1868.
130. LEWIS MATTHEWS BECKER, of No. 2, Guildhall Chambers, Basinghall Street, in the City of London, Telegraph Engineer, for an invention for—"Improvements in the mode of laying, supporting and maintaining the wires used for electric telegraph and other purposes, parts of which improvements are applicable to other purposes."
Letters Patent sealed; specification filed by order.
- NIMMO.
15th January 1868.
131. GEORGE NIMMO, of Jersey City, in the State of New Jersey and United States of America, for an invention for—"An improved composition for furnace linings, fire bricks, pots, crucibles and other articles."
Letters Patent sealed.
- LANG.
15th January 1868.
132. JOHN LANG, of Paisley, in the County of Renfrew, North Britain, for an invention for—"Improvements relating to the printing of music."
Letters Patent sealed.
- HODGSON.
DODD.
15th January 1868.
133. DANIEL HODGSON, of Swetton, near Kirby Malzeard, in the County of York, Farmer, and JOHN DODD, of the same place, Engineer, for an invention for—"Improvements in machinery for cutting grass and corn."
Letters Patent sealed.
- HUDSON.
CATLOW.
15th January 1868.
134. JAMES HUDSON, of Burnley, in the County of Lancaster, Machine Maker, and CHRISTOPHER CATLOW, of the same place, Overlooker, for an invention for—"Improvements in looms for weaving."
Provisional protection only.
- AYLIFFE.
15th January 1868.
135. WILLIAM AYLIFFE, Farmer, of Crophorne, in the County of Worcester, for an invention for—"Improvements in boats and in the means of steering the same."
Letters Patent sealed.
- WILLIAMSON.
15th January 1868.
136. JAMES WILLIAMSON, Lloyd's Surveyor, of 2, White Lion Court, Cornhill, in the City of London, for an invention for—"Improvements in bolting or fastening one part of a ship or vessel to another."
Letters Patent sealed.
- PARKER.
15th January 1868.
137. JOHN PARKER, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in textile fabrics."
Provisional protection only.
- KIDD.
15th January 1868.
138. JOSHUA KIDD, of Saint Paul's Wharf, in the City of London, Engineer, for an invention for—"Improvements in obtaining artificial light and in apparatus employed therein."
Letters Patent sealed.
- HEAD.
15th January 1868.
139. JEREMIAH HEAD, of Newport Rolling Mills, near Middlesborough, in the County of York, Engineer, for an invention for—"Improvements in furnaces for puddling, boiling, melting or heating iron or steel."
Provisional protection only.
- WILKINS.
POLLARD.
15th January 1868.
140. WILLIAM WILKINS, and WILLIAM GAMBLE POLLARD, both of Leicester, in the County of Leicester, Hosiery Manufacturers, for an invention for—"Improvements in the manufacture of knitted reversible gaiters and bootakins for children, and in mitts and armlets for ladies, gentlemen or children."
Letters Patent sealed.
- TRAVIS.
PRINCE.
TOMLINSON.
16th January 1868.
141. THOMAS TRAVIS, and WILLIAM HENRY PRINCE, both of Rochdale, in the County of Lancaster, Silk Spinners, and JAMES TOMLINSON, of the same place, Machine Maker, for an invention for—"Improvements in machinery for clearing and smoothing yarn and thread."
Letters Patent sealed.
- EGGLETON.
16th January 1868.
142. JASON EGGLETON, of 22, Old Town, Clapham, in the County of Surrey, for an invention for—"Improvements in the manufacture of 'bellows regulators' for water-closets."
Provisional protection only.
- ASHWORTH.
16th January 1868.
143. JOHN JACKSON ASHWORTH, of the City of Manchester, Manufacturer, for an invention for—"Improvements in looms."
Letters Patent sealed.
- TOLSON.
BOOTHROYD.
16th January 1868.
144. JAMES TOLSON, and JAMES BOOTHROYD, both of Dalton, near Huddersfield, in the County of York, for an invention for—"Improvements in mule spinning machinery."
Provisional protection only.
- SCHNEIDER.
16th January 1868.
145. RUDOLPH SCHNEIDER, of the firm of Pauw, Schneider, and Company, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of piled fabrics."
Letters Patent sealed.
- BROOMAN.
16th January 1868.
146. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman, and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in gas-heating and cooking apparatus."
A communication to him from abroad by François Alphonse Jacquet, of Paris, France.
Letters Patent sealed.

MULLORD. MULLORD. 16th January 1868.	147. HENRY BARTHOLOMEW MULLORD, and ALEXANDER MULLORD, Manufacturing Stationers, both of Hoxton, in the County of Middlesex, for an invention for "An improved material for the manufacture or ornamentation of bonnets and other articles." <i>Provisional protection only.</i>
WOOD. 16th January 1868.	148. JAMES WOOD, of East Wemyss, in the County of Fife, North Britain, for an invention for—"Improvements in windows." <i>Letters Patent sealed.</i>
JONES. 16th January 1868.	149. JOHN ALLCOCK JONES, of Middlesborough, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
BETTS. 16th January 1868.	150. WILLIAM BETTS, of No. 1, Wharf Road, City Road, in the County of Middlesex, Capsule Manufacturer, for an invention for—"A new manufacture of a material to be used in the production of capsules, and for other purposes where thin flexible metallic sheets are employed." <i>Letters Patent sealed.</i>
ROLLINS. 16th January 1868.	151. JOHN GUSTAVUS ROLLINS, of Old Swan Lane, in the City of London, for an invention for—"Improvements in baskets for containing fruit and other goods."— <i>A communication to him from abroad by Welcome Hitchcock, a person residing at New York, in the United States of America.</i> <i>Provisional protection only.</i>
NASH. 16th January 1868.	152. THOMAS NASH, of No. 134, Great Dover Street, in the County of Surrey, for an invention for—"Improvements in stoves and fireplaces." <i>Letters Patent sealed.</i>
READING. 16th January 1868.	153. GEORGE EDWARD READING, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improved busk fasteners." <i>Letters Patent sealed.</i>
ABEL. 16th January 1868.	154. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved system of moveable switches, tongues or rails for the crossings and intersections of the permanent way of railways."— <i>A communication to him from abroad by Jean Joseph Adolphe Poulet, of No. 45, Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
POSTILL. 16th January 1868.	155. FRANCIS POSTILL, of Nelson Street, Scarborough, in the County of York, Brick Manufacturer, for an invention for—"Improvements in kilns or ovens for burning or baking bricks, earthenware, limestone, pottery and other ceramic articles." <i>Letters Patent sealed.</i>
NEWTON. 16th January 1868.	156. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery or apparatus for shaping, grinding, sharpening and polishing sword blades and handles, scabbards, gun barrels and other arms."— <i>A communication to him from abroad by Edouard Stehelin, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
BATCHELOR. SMITH. 17th January 1868.	157. JAMES BATCHELOR, of Kidderminster, in the County of Worcester, Contractor, and JOHN SMITH, of Kidderminster, in the County of Worcester, Machinist, for an invention for—"An improved power loom for weaving Brussels carpets." <i>Letters Patent sealed.</i>
HEATHFIELD. 17th January 1868.	158. RICHARD HEATHFIELD, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in machinery for the manufacture of nails and tacks."— <i>A communication to him from abroad by John Henry Geary, of Fairhaven, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
MOORHOUSE. 17th January 1868.	159. JOSEPH MOORHOUSE, of Wakefield, in the County of York, Worsted Spinner, for an invention for—"Improvements in that class of machinery known as 'cone drawing,' employed in drawing or preparing wool." <i>Provisional protection only.</i>
LÖBNITZ, BUQUET. 17th January 1868.	160. HENRY CHRISTIAN LÖBNITZ, and AMÉDÉE BUQUET, of Renfrew, in the County of Renfrew, North Britain, Engineers, for an invention for—"Improvements in apparatus for propelling ships or other vessels." <i>Provisional protection only.</i>
BURROWS. BURROWS. 17th January 1868.	161. SAMUEL BURROWS, and EDWIN BURROWS, both of Dukinfield, in the County of Chester, for an invention for—"Improvements in the method of employing waste steam and the water arising from the condensation thereof, and in apparatus connected therewith." <i>Letters Patent sealed.</i>

HOSKING. 17th January 1868.	162. JOHN HOSKING the younger, of Gateshead-on-Tyne, in the County of Durham, Engineer, for an invention for—"Improvements in the cutting heads of instruments used in drilling, boring, tunnelling or otherwise penetrating rock, stone or other hard material." <i>Letters Patent sealed.</i>
YOUNG. 17th January 1868.	163. JOHN YOUNG, of Stewarton, in the County of Ayr, North Britain, for an invention for—"Improvements in washing and in the apparatus or means employed therefor." <i>Provisional protection only.</i>
AITKEN. 17th January 1868.	164. HENRY AITKEN, of Falkirk, in the County of Stirling, North Britain, for an invention for—"Improvements in treating iron ores or ironstones for the purpose of effecting economy in the obtainment of iron and other products therefrom." <i>Letters Patent sealed.</i>
CROSSLEY. 17th January 1868.	165. JOSEPH CROSSLEY, of Halifax, in the County of York, Carpet Manufacturer, for an invention for—"Improvements in washing printed and parti-coloured yarns." <i>Letters Patent sealed.</i>
NAPIER. 17th January 1868.	166. JAMES MURDOCH NAPIER, of York Road, Lambeth, in the County of Surrey, for an invention for—"Improvements in apparatus for cutting and dressing metals, woods and other materials, and in the tools to be used in combination therewith." <i>Letters Patent sealed.</i>
FYFE. 17th January 1868.	167. DAVID ADAM FYFE, of Edinburgh, North Britain, for an invention for—"An improved mode of manufacturing paper pulp from wood and other fibrous materials." <i>Letters Patent sealed.</i>
ROLFE. 17th January 1868.	168. NICHOLAS HALL ROLFE, of Hull, in the County of York, Merchant, for an invention for—"Improvements in machinery for cutting laths." <i>Letters Patent sealed; no specification filed.</i>
LAKE. 17th January 1868.	169. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of treating wood-veneer, and forming therefrom sheets or cards for various purposes."— <i>A communication to him from abroad by Dawson Miles, of Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed and specification filed by order.</i>
FISHER. 17th January 1868.	170. GEORGE SMITH FISHER, of Buffalo, New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"An improved implement for cutting hay, straw and other like substances." <i>Provisional protection only.</i>
WINTER. 17th January 1868.	171. JAMES WINTER the younger, of Wardour Street, Soho, in the County of Middlesex, for an invention for—"Improved apparatus for filling glass bottles and jars with soups, jellies and fruits, for the purpose of preserving them, the said apparatus being also applicable for filling bottles with sauces, wines, spirits, beers, liqueurs and other still and effervescing beverages, also machinery in combination with the above apparatus for corking or stoppering such said bottles and jars." <i>Provisional protection only.</i>
MILLWARD. 18th January 1868.	172. JOHN MILLWARD, of Curzon Chambers, Paradise Street, Birmingham, in the County of Warwick, Civil Engineer, for an invention for—"Improvements in the means and apparatus or machinery for propelling ships or vessels."— <i>A communication to him from abroad by Andrew Jackson Reynolds, of Sturgis, State of Michigan, United States of America.</i> <i>Letters Patent sealed.</i>
KAY. HAMILTON. 18th January 1868.	173. THOMAS BISPHAM KAY, of Bolton-le-Moors, in the County of Lancaster Engineer, and FRANCIS HAMILTON, of the same place, Foreman, for an invention for—"Certain improvements in carding-engines to be employed for carding cotton and other fibrous materials." <i>Provisional protection only.</i>
LLOYD. 18th January 1868.	174. HUGH HUGHES LLOYD, of Fort William, Douglas, Isle of Man, Colonel, late of the Bengal Army, for an invention for—"Improvements in coffins." <i>Complete specification; Letters Patent sealed.</i>
MOORE. 18th January 1868.	175. BENJAMIN THEOPHILUS MOORE, of Elm Lodge, Spring Grove, Isleworth, in the County of Middlesex, Civil Engineer, for an invention for—"A new or improved apparatus for protecting water pipes from injury by frost." <i>Provisional protection only.</i>

DORSETT. 18th January 1868.	176. EDWARD DORSETT, of 12, London Street, in the City of London, for an invention for—"Improvements in the utilization of coal tar and the products arising from the distillation thereof, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
WHITELEY. 18th January 1868.	177. JAMES WHITELEY, of Huddersfield, in the County of York, Agent, for an invention for—"Improvements in twining 'jennies' or apparatus for twining or doubling cotton, silk, worsted and other fibrous substances." <i>Provisional protection only.</i>
KERSHAW. 18th January 1868.	178. HENRY KERSHAW, of Laister Dyke, near Bradford, in the County of York, Worsted Spinner, for an invention for—"Improvements in means or apparatus employed in spinning worsted and other fibres." <i>Letters Patent sealed.</i>
BONNEVILLE. 18th January 1868.	179. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved fly cover for protecting stitched books."— <i>A communication from Charles François Auguste Viscount De Brettes-Thurin, a person resident at Toulouse, in the Empire of France, aforesaid.</i> <i>Complete specification: Letters Patent sealed.</i>
BONNEVILLE. 18th January 1868.	180. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in ribbon looms."— <i>A communication from Pierre Bonnet and Antoine Fargère, of the firm of Bonnet and Fargère, two persons resident at St. Etienne, in the Empire of France, aforesaid, Manufacturers.</i> <i>Provisional protection only.</i>
BONNEVILLE. 18th January 1868.	181. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in ribbon looms."— <i>A communication from Christophe Balay, a person resident at St. Etienne, in the Empire of France, aforesaid, Manufacturer.</i> <i>Letters Patent sealed.</i>
BOCHKOLTZ. 18th January 1868.	182. AUGUSTE BOCHKOLTZ, Civil Engineer, Inspector General of Railways, of the City of Vienna, in the Empire of Austria, for an invention for—"An improved mechanical arrangement to be employed in connection with self-acting valves." <i>Letters Patent sealed.</i>
HEYWOOD. 18th January 1868.	183. BENNETT JOHNS HEYWOOD, of Colmar, in the Empire of France, but now residing at Loraine Road, Holloway, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of pencil cases." <i>Provisional specification only.</i>
DAVIDSON. 18th January 1868.	184. JAMES DAVIDSON, of Woolwich, in the County of Kent, for an invention for—"Improved machinery for manufacturing bullets." <i>Letters Patent sealed.</i>
NEWTON. 18th January 1868.	185. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in ovens or kilns for firing or baking porcelain and various kinds of earthenware or pottery."— <i>A communication to him from abroad by Monsieur Edouard de Beaumont, of Maestricht, in the Kingdom of Holland.</i> <i>Letters Patent sealed.</i>
CARR. LUCOP. 18th January 1868.	186. JOHN CARR, of the Crescent, Clapham, in the County of Surrey, of the firm of Peek, Frean and Company, and CHARLES LUCOP, of Drummond Road, also in the County of Surrey, one of the Managers of the said firm, for an invention for—"Improvements in the manufacture of meat and other biscuits." <i>Letters Patent sealed.</i>
FISHER. 18th January 1868.	187. GEORGE SMITH FISHER, of Buffalo, New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in links or couplings for harness and other purposes." <i>Provisional protection only.</i>
BAYNES. 18th January 1868.	188. FREDERICK JAMES BAYNES, of Holloway Terrace, Holloway Road, Islington, in the County of Middlesex, for an invention for—"Improvements in kitchen ranges, which improvements are also applicable to other cooking stoves." <i>Provisional protection only.</i>

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| <p>TIMMINS.
18th January 1868.</p> <p>GOPSILL.
18th January 1868.</p> <p>DAVIES.
20th January 1868.</p> <p>DOLBY.
20th January 1868.</p> <p>FIRTH.
20th January 1868.</p> <p>ROBINSON.
20th January 1868.</p> <p>CARLING.
CARLING.
20th January 1868.</p> <p>WOODLEY.
20th January 1868.</p> <p>LAKE.
20th January 1868.</p> <p>LAKE.
20th January 1868.</p> <p>CLARK.
20th January 1868.</p> <p>JOHNSON.
20th January 1868.</p> <p>PARSONS.
20th January 1868.</p> | <p>189. DANIEL TIMMINS, of Stourport, in the County of Worcester, Engineer, for an invention for—"Improvements in motive-power engines." <i>Letters Patent sealed.</i></p> <p>190. GEORGE GOPSILL, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Improvements in sleeve links, which improvements may also be applied to other dress fastenings and fastenings for articles of jewellery, and for other like purposes." <i>Provisional protection only.</i></p> <p>191. JOSEPH DAVIES, of High Park Road, Smethwick, near Birmingham, Mechanical Engineer, for an invention for—"Improvements in machinery for shaping malleable materials and in apparatus for constructing the same." <i>Letters Patent sealed.</i></p> <p>192. THOMAS GEORGE FONNEREAU DOLBY, Manufacturing Goldsmith, 14, Old Town, Clapham Parish, in the County of Surrey, for an invention for—"Improvements in feeding bottles." <i>Letters Patent sealed.</i></p> <p>193. WILLIAM FIRTH, residing at Rose Villa, Viewforth, Edinburgh, in the County of Mid-Lothian, for an invention for "Improvements in the application of vulcanized or unvulcanized india-rubber in the construction of pumps, enemas, syringes, spray producers and such like instruments." <i>Provisional protection only.</i></p> <p>194. MATTHEW ROBINSON, Machinist at Howard and Bullough's, Globe Works, Accrington, in the County of Lancaster, for an invention for—"Improvements in the manufacture of expanding and contracting combs or reeds." <i>Provisional protection only.</i></p> <p>195. ROBERT CARLING, of Manchester, in the County of Lancaster, Agent, and THOMAS CARLING, of Bolton, in the said County, Mechanical Engineer, for an invention for—"Certain improvements in lubricating the interior frictional surfaces of steam or other motive-power cylinders." <i>Provisional protection only.</i></p> <p>196. JOHN WOODLEY, of Send, in the County of Surrey, Gentleman, for an invention for—"Improvements in apparatus for communicating or signalling in railway trains." <i>Provisional protection only.</i></p> <p>197. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in wood rings or washers and in machinery for manufacturing the same."—<i>A communication to him from abroad by Joseph Hale, of Somerville, Massachusetts, United States of America.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>198. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for nailing or pegging the soles of boots and shoes to their vamps or uppers."—<i>A communication to him from abroad by Lyman Reed Blake, of Boston, Massachusetts, United States of America.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>199. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in steam-boilers."—<i>A communication to him from abroad by Alexandre Lagrafel, Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i></p> <p>200. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in ships for containing and transporting oils or burning fluids, also in raising such oils or burning fluids, and supplying the same as fuel to the furnaces of steam ships, parts of which improvements are applicable to the ballasting of ships with water."—<i>A communication to him from abroad by John Henry Smith, of the City and County of Allegheny, and Ellbridge Gerry Benedict, of Southwest, in the County of Warren, State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>201. JOHN PARSONS, of Birmingham, in the County of Warwick, Gun Barrel Manufacturer, for an invention for—"Improvements in certain parts of double-barrel breech-loading fire-arms." <i>Letters Patent sealed.</i></p> |
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NEWTON. 20th January 1868.	202. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing-machines, part of which are applicable to other purposes."— <i>A communication to him from abroad by the Singer Manufacturing Company (Incorporated), of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
THOMAS. 21st January 1868.	203. EVAN THOMAS, of Number 7, Cardiff Street, Aberdare, in the County of Glamorgan, Miners' Safety Lamp Manufacturer, for an invention for—"An improvement in the construction of miners' safety lamps, in such a manner as to enable petroleum or other mineral oils to be consumed therein." <i>Provisional protection only.</i>
SPENCER. 21st January 1868.	204. JOHN FREDERICK SPENCER, of Sunderland, Engineer, for an invention for—"Improvements in steam-boilers." <i>Provisional protection only.</i>
SPENCER. 21st January 1868.	205. JOHN FREDERICK SPENCER, of Sunderland, Engineer, for an invention for—"Improvements in regulating and working the valves of steam and other engines." <i>Provisional protection only.</i>
BROWN. 21st January 1868.	206. CHARLES WILLIAMS BROWN, of Gloucester Villas, Upper Lewisham Road, New Cross, in the County of Surrey, for an invention for—"Improvements in the construction of truncheons used by police and other constables and persons." <i>Provisional protection only.</i>
DAVIES. 21st January 1868.	207. JOHN LACEY DAVIES, of the firm of John Davies and Son, of 4, St. Ann's Square, Manchester, in the County of Lancaster, Patent Agents, for an invention for—"Certain improvements in the method of retaining and securing corks or stoppers in bottles or vessels containing aerated liquids, and in apparatus connected therewith."— <i>A communication to him from abroad by Richard Scrivener, of New York, United States of America.</i> <i>Provisional protection only.</i>
HAVELL. 21st January 1868.	208. CHARLES RICHARD HAVELL, of Reading, in the County of Berks, Artist, for an invention for—"Improvements in water-heating apparatus." <i>Provisional protection only.</i>
DICKINS. 21st January 1868.	209. WILLIAM DICKINS, of Daventry, in the County of Northampton, Boot and Shoe Manufacturer, for an invention for—"Improvements in the manufacture of boots and shoes." <i>Provisional protection NOT allowed.</i>
LE GRAS. 21st January 1868.	210. LOUIS NAPOLEON LE GRAS, of Wardour Street, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in churns." <i>Provisional protection only.</i>
LEE. 21st January 1868.	211. THOMAS VINCENT LEE, of Macclesfield, in the County of Cheshire, Civil Engineer, for an invention for—"Improvements in producing charcoal, fuel and fire lights from peat, and for kilns and machinery to be employed therein, such machinery being also applicable for the making of coal dust into coke." <i>Complete specification; protection for SIX months only.</i>
COLEMAN. 21st January 1868.	212. WILLIAM JUBY COLEMAN, of St. Mary-at-Hill, in the City of London, for an invention for—"Improved apparatus to be employed in the manufacture of beer and wine finings." <i>Letters Patent sealed.</i>
LONG. 21st January 1868.	213. JOHN JEX LONG, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in machinery or apparatus to be used in the manufacture of matches or other similar articles." <i>Provisional protection only.</i>
JOHNSON. 21st January 1868.	214. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for indicating the relative positions and movements of certain of the heavenly bodies."— <i>A communication to him from abroad by John Davis, of the City and County of Allegheny, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 21st January 1868.	215. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in furnaces."— <i>A communication to him from abroad by Henderson Ross, of Pittsburgh, in the County of Allegheny, State of Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>

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| <p>DAVIS.
21st January 1868.</p> <p>NEWTON.
21st January 1868.</p> <p>BRINSMEAD.
21st January 1868.</p> <p>BOUSFIELD.
21st January 1868.</p> <p>BROWN.
21st January 1868.</p> <p>DANCHELL.
22nd January 1868.</p> <p>DIXON.
22nd January 1868.</p> <p>HARROWER.
STUART.
22nd January 1868.</p> <p>BROADBENT.
22nd January 1868.</p> <p>BROOMAN.
22nd January 1868.</p> <p>THOMPSON.
STATHER.
22nd January 1868.</p> <p>BROOMAN.
22nd January 1868.</p> <p>BENNETT.
22nd January 1868.</p> <p>TOMLINSON.
22nd January 1868.</p> <p>NEEDHAM.
22nd January 1868.</p> | <p>216. WILLIAM DAVIS, of Gainford, in the County of Durham, Gentleman, for an invention for—"Improvements in the method of fastening bags made of paper or other material, for the conveyance by post or otherwise of samples of grain, seed, textile fabrics and other articles." <i>Letters Patent sealed.</i></p> <p>217. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary steam and other engines."—<i>A communication to him from abroad by John Marcus Boorman, of Scarborough, in the State of New York, United States of America. Provisional protection only.</i></p> <p>218. HENRY BRINSMEAD, of Ipswich, in the County of Suffolk, Machinist, for an invention for—"Improvements in thrashing machines." <i>Letters Patent sealed.</i></p> <p>219. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in liberating the coloring matter of madder and similar vegetable substances from the ligneous matter or cellulose with which it is combined in the plant."—<i>A communication to him from abroad by Alfred Paraf, a person resident at Boston, in the County of Suffolk and State of Massachusetts, United States of America. Provisional protection only.</i></p> <p>220. ANDREW BETTS BROWN, of the Vauxhall Iron Works, Wandsworth Road, in the County of Surrey, Engineer, for an invention for—"Improvements in actuating the valves of engines worked by steam or other fluids." <i>Letters Patent sealed.</i></p> <p>221. FREDERICK LUDWIG HAHN DANCHELL, of Horwich, in the County of Lancaster, Civil Engineer, for an invention for—"Improvements in machinery and apparatus for preparing, shaping and drying peat and other vegetable and mineral substances." <i>Provisional protection only.</i></p> <p>222. JOHN DIXON, of 5, Abchurch Yard, in the City of London, Contractor, for an invention for—"Improvements in the construction of floating saloon-baths." <i>Letters Patent sealed; no specification filed.</i></p> <p>223. PETER HARROWER, and JOHN CHIENE STUART, both of the City of Glasgow, in the County of Lanark, North Britain, for an invention for—"An improved spray producer for the production of medicated vapours." <i>Provisional protection only.</i></p> <p>224. CHARLES RALPH BROADBENT, of No. 99, Court Street, in the City of Boston, State of Massachusetts, in the United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improvements in the manufacture of shoes." <i>Letters Patent sealed.</i></p> <p>225. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"A new or improved mode of producing a coloring matter."—<i>A communication to him from abroad by Alexandre Clavel, of Basle, Switzerland. Letters Patent sealed.</i></p> <p>226. WALKDEN THOMPSON, and THOMAS STATHER, of the Borough of Kingston-upon-Hull, Engineers, for an invention for—"Improvements in mills for grinding or crushing." <i>Letters Patent sealed.</i></p> <p>227. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"A new or improved mode of extracting coloring matter from madder."—<i>A communication to him from abroad by Alexandre Clavel, of Basle, Switzerland. Letters Patent sealed.</i></p> <p>228. SOLOMON BENNETT, of Richmond Road, Dalston, in the County of Middlesex, for an invention for—"Improvements in means or apparatus to facilitate the drying of grain, seed, brewers' grains and other matters." <i>Letters Patent sealed.</i></p> <p>229. EDWARD TOMLINSON, of 85, Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in means and apparatus for ornamenting, printing, coloring, enamelling, staining, embossing, cutting, creasing, bending and manufacturing articles from wood and other material." <i>Letters Patent sealed.</i></p> <p>230. RICHARD NEEDHAM, of Dukinfield, in the County of Chester, Engineer, for an invention for—"Improvements in the valves of steam-engines." <i>Provisional protection only.</i></p> |
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GOUNE. 22nd January 1868.	231. THOMAS GOUNE, of Pall Mall, in the county of Middlesex, Captain in the 17th Lancers, for an invention for—"An improved canteen." <i>Letters Patent sealed.</i>
BARKER. 22nd January 1868.	232. CHARLES SPACKMAN BARKER, of Gloucester Road, Regent's Park, in the County of Middlesex, Organ Builder, for an invention for—"Improvements in the construction of organs." <i>Letters Patent sealed.</i>
GRAY. 22nd January 1868.	233. THOMAS WOOD GRAY, of 1, Margaret Street, Limehouse, for an invention for—"Improvements in lightning conductors." <i>Provisional protection only.</i>
DENNIS. 22nd January 1868.	234. WILLIAM DENNIS, of Aldermanbury, in the City of London, Merchant, for an invention for—"Improvements in letter boxes, letter pillars and such like depositories." <i>Provisional protection only.</i>
COOK. 22nd January 1868.	235. THOMAS COOK, of Penfold Terrace, Crabtree-shot Road, Peckham, in the County of Surrey, for an invention for—"Improved machinery for uniting together materials employed in the manufacture of boots and shoes, saddlery, driving bands, and such like articles as require to be strongly united together." <i>Letters Patent sealed.</i>
ROWLEY. 23rd January 1868.	236. THOMAS ROWLEY, of the City of Manchester, Traveller and Agent for R. D. Kay and Co., of the same place, India-Rubber Manufacturers, for an invention for—"Improvements applicable to the soles and heels of boots, shoes, clogs and other coverings for the feet." <i>Provisional protection only.</i>
ORAM. 23rd January 1868.	237. WILLIAM ORAM, of Salford, in the County of Lancaster, Hydraulic Engineer, for an invention for—"Improvements in apparatus to be employed for heating buildings and for other heating purposes." <i>Letters Patent sealed.</i>
STEWART. 23rd January 1868.	238. DAVID YOOLOW STEWART, of Glasgow, in the County of Lanark, North Britain, Ironfounder, for an invention for—"Improvements in the manufacture of cast-iron pipes and similar articles, and in the moulds and arrangement of apparatus connected therewith." <i>Letters Patent sealed.</i>
HODGE. 23rd January 1868.	239. HENRY HODGE, of Southport, in the County of Lancaster, Ironmonger, for an invention for—"Improvements in gas stoves for heating purposes." <i>Letters Patent sealed.</i>
KIRK. MURRAY. 23rd January 1868.	240. GEORGE KIRK, of the firm of Schofield and Kirk, of Huddersfield, in the County of York, Ironfounders, Millwrights and Machine Makers, and WALTER MURRAY, of the same place, Spinner, for an invention for—"Improvements in self-acting mules and billies for spinning and doubling wool or other fibrous substances." <i>Letters Patent sealed; specification filed by order.</i>
SANDERS. 23rd January 1868.	241. JOHN CROSS SANDERS, of Birmingham, in the County of Warwick, for an invention for—"Improvements in doors, shutter and bell knobs and furniture." <i>Letters Patent sealed.</i>
BOTTOMLEY. 23rd January 1868.	242. WILLIAM BOTTOMLEY, of Bramley, near Leeds, in the County of York, Machinist, for an invention for—"Improvements in milling machinery." <i>Provisional protection only.</i>
GOULDING. 23rd January 1868.	243. JOHN GOULDING, of Tong Street, Dudley Hill, Bradford, in the County of York, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
DICKINSON. 23rd January 1868.	244. HENRY JOHN DICKINSON, of North Mews, Henry Street, Gray's Inn Road, in the County of Middlesex, Billiard Table Manufacturer, for an invention for—"Improvements in tables adapted to be employed for playing billiards or other games with balls, and also for dining or other uses." <i>Letters Patent sealed.</i>
RAGLAND. 23rd January 1868.	245. HENRY MILLER RAGLAND, of 15, Fish Street Hill, in the City of London, for an invention for—"Improvements in tanning hides and skins."— <i>A communication to him from abroad by Cesare Osmani, a person resident at Tolentino, Province of Macerata, in the Kingdom of Italy.</i> <i>Letters Patent sealed.</i>
ALLIBON. MANBRÉ. 23rd January 1868.	246. GEORGE ALLIBON, of the City of Worcester, Engineer, and ALEXANDRE MANBRÉ, of 81, Baker Street, in the County of Middlesex, Sugar Refiner, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>
PRICE. 23rd January 1868.	247. STROTHER PRICE, of Highbury, in the County of Middlesex, for an invention for—"An improved mode of and means or apparatus for turning on and off the supply of gas to houses, also applicable to turning on and off the supply of other fluids." <i>Provisional protection only.</i>

TILDESLEY. BIRD. 23rd January 1868.	248. MATTHEW TILDESLEY, of Willenhall, in the County of Stafford, Manufacturer, and JAMES BIRD, of the same place, Manager, for an invention for—"Improvements in the construction of furnaces, stoves and fire-places." <i>Letters Patent sealed.</i>
GARCIN. GARCIN. 23rd January 1868.	249. CAROLINE GARCIN, and AMELIE GARCIN, both of Colmar, in the Empire of France, for an invention for—"Improvements in sewing-machines." <i>Provisional protection NOT allowed.</i>
SEVERN. 23rd January 1868.	250. GEORGE SEVERN, of Hampstead Road, in the County of Middlesex, for an invention for—"Improvements in valvular apparatus for giving vent to and for excluding air from casks or other vessels, and in bungs for closing the same, partly applicable as valves for other purposes." <i>Letters Patent sealed.</i>
JENNINGS. 24th January 1868.	251. WILLIAM JOHN JENNINGS, of Little Bowden, in the County of Northampton, Permanent Way Inspector, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
STORER. STORER. 24th January 1868.	252. JAMES STORER, and DAVID STORER, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in vessels or canisters to be used for holding liquids, solids and other substances, for the purpose of economising space and freight." <i>Letters Patent sealed.</i>
SMALL. 24th January 1868.	253. ANDREW SMALL, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for removing excrements." <i>Provisional protection only.</i>
DE RUSSETT. DALE. 24th January 1868.	254. EDWIN WILLIAM DE RUSSETT, of Lewisham, in the County of Kent, Engineer, and RICHARD FARRELL DALE, of Shoe Lane, in the City of London, Founder, for an invention for—"Improvements in waterclosets." <i>Letters Patent sealed.</i>
CLARK. 24th January 1868.	255. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in means and apparatus for lubricating parts of machinery exposed to the action of steam."— <i>A communication to him from abroad by Louis Auguste Gerin, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
WOODROFFE. 24th January 1868.	256. CHARLES WOODROFFE, of Hill Street, Rugby, for an invention for—"Improvements in travelling post offices and tenders, and in apparatus for delivering and receiving mail bags and parcels." <i>Provisional protection only.</i>
BELL. 24th January 1868.	257. THOMAS LESSLIE GREGSON BELL, of Plaistow, in the County of Essex, for an invention for—"Improvements in preparing oxide of iron for purifying gas, and in treating the oxide of iron residues to obtain products therefrom." <i>Letters Patent sealed.</i>
WINSLOW. 25th January 1868.	258. KENELM JOHN WINSLOW, of Montpelier Row, Twickenham, in the County of Middlesex, Civil Engineer, for an invention for—"An improved method of conveying rotatory motion to axles." <i>Letters Patent sealed.</i>
MASON. 25th January 1868.	259. JULES MASON, of Sunderland, in the County of Durham, Coal Merchant, for an invention for—"An improved composition to be used as fuel for household purposes, and the method of preparing, forming or manufacturing the same." <i>Provisional protection only.</i>
LEWIS. 25th January 1868.	260. JOHN MILTON LEWIS, of Pimlico, in the County of Middlesex, for an invention for—"An improved apparatus for securing watches, purses or other valuables, when worn or carried in pockets." <i>Provisional protection only.</i>
DIXON. 25th January 1868.	261. CHARLES WILLIAM DIXON, of Wickham Market, in the County of Suffolk, Civil Engineer, for an invention for—"Improvements in rotating slide valves and for improved suitable modes of applying these said and other rotating valves to certain kinds of engines." <i>Letters Patent sealed.</i>
BOYD. BOYD. 25th January 1868.	262. JOHN BOYD, and THOMAS ALEXANDER BOYD, both of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in winding machines and in pirns or yarn holders and shuttles, a part of which improvements is also applicable to other machines requiring varying motion." <i>Provisional protection only.</i>

KILBURN. 25th January 1868.	263. CHARLES KILBURN, of Holloway, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of life and swimming belts, jackets, waistcoats and buoys." <i>Letters Patent sealed.</i>
BROOMAN. 25th January 1868.	264. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in breech-loading fire-arms and in the manufacture of ammunition for the same."— <i>A communication to him from abroad by Charles Rochaz, of Paris, France.</i> <i>Provisional protection only.</i>
RITCHIE. 25th January 1868.	265. CHARLES RITCHIE, of Brixton, in the County of Surrey, Gentleman, for an invention for—"Improvements in apparatus for utilizing heat for heating, warming and ventilating, whether such heat be procured by the agency of steam-boilers, furnaces or from other sources." <i>Letters Patent sealed.</i>
ROBINSON. 25th January 1868.	266. THOMAS ROBINSON, of Widnes, in the County of Lancaster, Iron Founder, for an invention for—"Improvements in the formation or construction of fortifications." <i>Provisional protection only.</i>
WELLS. JONES. 25th January 1868.	267. RUFUS GIBBON WELLS, of Birmingham, in the County of Warwick, Aeronaut, and DAVID JONES, of the same place, Manufacturer, for an invention for—"Improvements in apparatus for producing optical illusions." <i>Provisional protection only.</i>
PARNACOTT. 25th January 1868.	268. EDWARD JOSEPH WILLIAM PARNACOTT, of Leeds, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of elastic rollers." <i>Letters Patent sealed.</i>
PRINCE. 25th January 1868.	269. ALEXANDER CHARLES MONTAGUE PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"A new or improved bell pull for door bells."— <i>A communication to him from abroad by Sterling Bonsall and Louis Hillebrand, both resident at Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
McDOUGALL. 25th January 1868.	270. ARTHUR McDOUGALL, of the firm of McDougall, Brothers, Manufacturing Chemists, of Manchester and London, for an invention for—"Improvements in apparatus for burning, calcining or roasting sulphur, ores and other materials." <i>Letters Patent sealed.</i>
JOHNSON. 25th January 1868.	271. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for melting and heating metals and other substances."— <i>A communication to him from abroad by Adolphe Perrot, of Paris, in the Empire of France, Chemist and Doctor of Science.</i> <i>Letters Patent sealed.</i>
WIRTH. 25th January 1868.	272. FRANCIS WIRTH, of the firm of Wirth and Company, Patent Agents, Frankfort-on-Maine (Germany), for an invention for—"An improved apparatus for heating, evaporating and decomposing water, oil and other substances."— <i>A communication from Peter Corfitz Moller and Ferdinand Walter, persons resident at Leipzig, Germany.</i> <i>Letters Patent sealed.</i>
ROWLEY. 27th January 1868.	273. JOHN ROWLEY, of 77, Wells Street, Camberwell, in the County of Surrey, Manufacturing Chemist, for an invention for—"An improved process for the ornamenting of candles." <i>Provisional protection not allowed.</i>
MIDDLEMIST. 27th January 1868.	274. ALFRED MIDDLEMIST, of Saville Street, Hull, in the County of York, for an invention for—"An improved apparatus for increasing, regulating and controlling the heat and draught in stoves and other fireplaces." <i>Letters Patent sealed.</i>
THURGAR. 27th January 1868.	275. AUGUSTUS HENRY THURGAR, of the City of Norwich, in the County of Norfolk, Gentleman, for an invention for—"Improvements in securing the corks of bottles containing champagne and other effervescing liquids." <i>Provisional protection only.</i>
HICKS. 27th January 1868.	276. JAMES JOSEPH HICKS, of Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in the manufacture of backs and handles for hand mirrors." <i>Letters Patent sealed.</i>
DICKINSON. 27th January 1868.	277. THOMAS DICKINSON, of Lancaster, in the County of Lancaster, Plumber, for an invention for—"Improvements in apparatus for drawing off water." <i>Provisional protection only.</i>

KELLOGG. 27th January 1868.	278. GEORGE KELLOGG, of New York, United States of America, at present temporarily residing at Edward's Hotel, George Street, in the County of Middlesex, for an invention for—"Improvements in hats, bonnets and other coverings for the head, and in machinery for manufacturing the same."— <i>A communication to him from abroad by Henry Kellogg, of New Haven, United States of America.</i> <i>Letters Patent sealed.</i>
RENDLE. 27th January 1868.	279. WILLIAM EDGCUMBE RENDLE, of 68, Walbeck Street, Cavendish Square, in the County of Middlesex, for an invention for—"Improvements in structures for protecting fruit trees, vegetables and other plants from frost, cold winds or rain, also in heating such and other structures." <i>Letters Patent sealed.</i>
NEWTON. 27th January 1868.	280. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for grinding and polishing concave surfaces."— <i>A communication to him from abroad by William Cleveland Hicks, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 27th January 1868.	281. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for forming hat bodies, skirts and other articles of wool and other fibrous materials."— <i>A communication to him from abroad by John Hill Prentice, of Brooklyn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
ELLIS. 27th January 1868.	282. WILLIAM ELLIS, of Colwick Lane, in the Parish of Sneinton, in the County of Nottingham, Scaleboard Cutter and Box Maker, for an invention for—"Improvements in or applicable to circular or rotating machines for cutting wood by hand or steam power, for making laths, cards, strips or slices of wood and other articles." <i>Letters Patent sealed.</i>
CLERK. 27th January 1868.	283. FRANCIS NORTH CLERK, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in machinery for the manufacture of washers and other similar articles." <i>Letters Patent sealed.</i>
ROBERTS. MORGAN. 27th January 1868.	284. JOHN ROBERTS, of West Bromwich, in the County of Stafford, Iron Founder, and JABEZ MORGAN, of Kidderminster, in the County of Worcester, Manager of Works, for an invention for—"Improvements in joining metallic pipes." <i>Letters Patent sealed.</i>
TRANTER. 28th January 1868.	285. WILLIAM TRANTER, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in fire-arms and cartridges." <i>Letters Patent sealed.</i>
EGERSDORFF. 28th January 1868.	286. EDWIN EGERSDORFF, of 34, Baldwin's Gardens, Gray's Inn Road, in the County of Middlesex, for an invention for—"Improvements in tips for boot heels." <i>Provisional protection only.</i>
BONNEVILLE. 28th January 1868.	287. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new mode of preserving eggs and improved apparatus connected therewith."— <i>A communication from Charles Hermann Römcke and Arthur Yvernault, of the firm of Römcke, Son, and Yvernault, two persons resident at Nantes, in the Empire of France, aforesaid, Merchants.</i> <i>Provisional protection only.</i>
BONNEVILLE. 28th January 1868.	288. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in ribbon looms."— <i>A communication from Francisque David, a person resident at St. Etienne, in the Empire of France, aforesaid.</i> <i>Letters Patent sealed.</i>
GIBBS. 28th January 1868.	289. WILLIAM ALFRED GIBBS, of Gillwell Park, in the County of Essex, Esquire, for an invention for—"Improvements in mechanism or apparatus for drying wheat in the sheaf, and other vegetable matters." <i>Letters Patent sealed.</i>
CRISPIN. 28th January 1868.	290. WILLIAM HENRY CRISPIN, of Marsh Gate Lane, Stratford, in the County of Essex, for an invention for—"Improved anti-scorbutic biscuits." <i>Letters Patent sealed.</i>

BROOMAN. 23th January 1863.	291. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of candles."— <i>A communication to him from abroad by Louis Miroude-Pichard, of Rouen, France.</i> <i>Letters Patent sealed.</i>
SANDERS. 23th January 1863.	292. GEORGE NICHOLAS SANDERS, of Rue de Sèze, No. 16, at Paris, Gentleman, for an invention for—"Improved apparatus for regulating and increasing artificial light produced by the combustion of gas, oil, petroleum and other volatile oils." <i>Provisional protection only.</i>
HYDES. BENNETT. 23th January 1863.	293. THOMAS HYDES, of Sheffield, in the County of York, Ironmonger, and JOSEPH BENNETT, of Sheffield, aforesaid, Engineer, for an invention for—"Improved means or appliances for facilitating the transit and application of caloric, also for mixing caloric with air, water and other fluids and gases, also for economizing the consumption of fuel, consuming smoke, generating steam and increasing and distributing heat, and for refrigerating purposes." <i>Provisional protection only.</i>
PICKERING. 23th January 1863.	294. ARTHUR PICKERING, of the City of York, Printer, for an invention for—"Improvements in machinery for cutting out, stamping and embossing lozenges, jujubes and various articles of fancy confectionery, and other articles from soft or plastic substances or materials." <i>Letters Patent sealed.</i>
CORBETT. 23th January 1863.	295. THOMAS CORBETT, of Shrewsbury, in the County of Salop, Manufacturer, for an invention for—"Improvements in machinery for cleaning and separating grain and for other like purposes." <i>Letters Patent sealed.</i>
LAKE. 23th January 1863.	296. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved pavement."— <i>A communication to him from abroad by Clarendon Williams and Thomas Stephens, both of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PEARSON. YOUNG. 23th January 1863.	297. JOHN PEARSON, of Jewin Street, in the City of London, Oil Refiner, and JAMES WILLIAM YOUNG, of Portland Terrace, Regent's Park, in the County of Middlesex, Oil Merchant, for an invention for—"Improvements in refining or purifying oils and in the apparatus employed therein." <i>Provisional protection only.</i>
BROWN. 23th January 1863.	298. JOHN BROWN, of Stockton-upon-Tees, in the County of Durham, for an invention for—"Improvements in machinery for cutting or slicing wood, tobacco or other fibrous substances." <i>Letters Patent sealed.</i>
MOSER. 23th January 1863.	299. ROBERT JAMES MOSER, of the firm of Moser and Sons, of No. 165, High Street, Southwark, for an invention for—"Improvements in bellows applicable especially to portable and other forges."— <i>A communication to him from abroad by Messrs. John and Walter Bowden, residing at Brooklyn, New York, United States of America.</i> <i>Letters Patent sealed.</i>
PILLINER. HILL. 23th January 1863.	300. ALFRED COLERICK PILLINER, of the Oakfield Works, near Newport, in the County of Monmouth, Civil Engineer, and JAMES CHARLES HILL, of the same place, Ironmaster, for an invention for—"Improvements in machinery for obtaining motive-power, applicable also to measuring, raising, exhausting, forcing and compressing fluids." <i>Letters Patent sealed.</i>
JOHNSON. 23th January 1863.	301. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in lithographic printing machines."— <i>A communication to him from abroad by Pierre Alauzet, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BRUNTON. 23th January 1863.	302. JOHN DICKINSON BRUNTON, of 6, Leighton Crescent, Kentish Town, Middlesex, Engineer, for an invention for—"Improvements in machinery or apparatus for cutting, dressing, planing, turning and shaping stone." <i>Letters Patent sealed.</i>
RICHARDSON. BEARDMORE. 23th January 1863.	303. WILLIAM HADEN RICHARDSON, of Glasgow, in the County of Lanark, North Britain, and WILLIAM BEARDMORE, of Parkhead, in the same County, for an invention for—"An improved process to be used in the manufacture of iron and steel, and improvements in the apparatus or means to be employed therefor." <i>Letters Patent sealed.</i>
MARCH. 23th January 1863.	304. WILLIAM MARCH, junior, of the Town and County of Leicester, Iron Founder, for an invention for—"Improvements in lasts for boots and shoes." <i>Provisional protection only.</i>

- McCURD.
29th January 1868.
305. CLAVERHOUSE ALFRED McCURD, of Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improvements in sewing-machines."
Provisional protection only.
- WILSON.
29th January 1868.
306. ROBERT WILSON, of the City of Manchester, in the County of Lancaster, Ironmonger, for an invention for—"Improvements in the method of or means for forming connections or joints to pipes and other articles for conveying fluids and liquids."
Provisional protection only.
- SNELL.
29th January 1868.
307. WILLIAM SNELL, of 22, Parliament Street, Westminster, for an invention for—"Improvements in steam fireproof safes."—*A communication to him from abroad by Ebenezer D. Draper, Russell A. Balton, Edward W. Glover, Edwin Austen Eaton and William Carlton Ireland, forming an association for the manufacture of Sanborn's patent steam fireproof safes, at Boston, Massachusetts, United States of America.*
Complete specification; Letters Patent sealed.
- SNELL.
29th January 1868.
308. WILLIAM SNELL, of 22, Parliament Street, Westminster, for an invention for—"An improved fireproof powder magazine."—*A communication to him from abroad by Rufus Slocum Sanborn, of Ripon, in the County of Foad-du-Lac, State of Wisconsin, United States of America.* *Complete specification; Letters Patent sealed.*
- ARDREY.
BECKETT.
29th January 1868.
309. SAMUEL BRADLEY ARDREY, of the City of Manchester, in the County of Lancaster, Machinist, and SAMUEL BECKETT, of the same place, Spindle Maker, for an invention for—"Improvements in velocipedes."
Provisional protection only.
- TASKER.
29th January 1868.
310. WILLIAM TASKER, of "The West Riding Patent Offices," Halifax and Bradford, in the County of York, Consulting Engineer and Patent Agent, for an invention for—"An improved machine for opening and cleaning cotton, applicable also for other purposes."—*A communication to him from abroad by Samuel Fay, of Lowell, Massachusetts, in the United States of America.*
Complete specification; Letters Patent sealed.
- LAW.
WHARRIE.
29th January 1868.
311. DAVID LAW, Ironfounder, and JOHN WHARRIE, Foreman, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of cast-iron pipes and similar articles, and in apparatus therefor."
Letters Patent sealed.
- THORNTON.
29th January 1868.
312. GEORGE THORNTON, Farmer, now resident in Chesterfield, in the County of Derby, for an invention for—"Improvements in straw elevators to take straw from thrashing machines."
Provisional protection only.
- GUISE.
29th January 1868.
313. WILLIAM GUISE, of Redditch, in the County of Worcester, Needle Hardener, for an invention for—"Improvements in scouring needles and other articles made of iron and steel wire, and in apparatus used for that purpose."
Letters Patent sealed; no specification filed.
- RILEY.
29th January 1868.
314. CHARLES RILEY, of Whetstone, near Leicester, in the County of Leicester, Machine Proprietor, for an invention for—"An improved combined threshing machine frame."
Letters Patent sealed and specification filed by order.
- MARTIN.
VARLEY.
29th January 1868.
315. SAMUEL MANLEY MARTIN, of Pinner, and SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, both in the County of Middlesex, Telegraph Engineers, for an invention for—"Improvements in electrical train intercommunication, parts of which invention are applicable to electro-magnetic and other electrical apparatus."
Letters Patent sealed.
- NEWTON.
29th January 1868.
316. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in self-acting brakes for carriages."—*A communication to him from abroad by Auguste Bernier, Didier Edouard Nélaton and David Julien Montandon, all of Rue St. Sebastien, Paris, in the Empire of France.*
Provisional protection only.
- NEWTON.
29th January 1868.
317. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms and in cartridges and bullets for the same."—*A communication to him from abroad by Hiram Berdan, of the City and State of New York, United States of America.*
Letters Patent sealed.
- JOHNSON.
29th January 1868.
318. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in disintegrating, scouring and cleansing raw wool and woollen fabrics."—*A communication to him from abroad by Charles Meunier, of Paris, in the Empire of France.* *Letters Patent sealed.*

LAKE. 29th January 1868.	319. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in furnaces or ovens for roasting ores."— <i>A communication to him from abroad by Riley Porter Wilson, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
DOBSON. SLATER. HALLIWELL. 30th January 1868.	320. BENJAMIN DOBSON, of the firm of Messieurs Dobson and Barlow, of Bolton, in the County of Lancaster, Machine Makers, and WILLIAM SLATER, of the same place, Manager, and ROBERT HALLIWELL, of the same place, Foreman, for an invention for—"Improvements in machines for spinning and doubling." <i>Letters Patent sealed.</i>
RADCLIFFE. 30th January 1868.	321. JAMES RADCLIFFE, of Consett Iron Works, in the County of Durham, for an invention for—"Improvements in the manufacture of puddled iron and steel into finished bars, plates or other forms." <i>Letters Patent sealed.</i>
GRIMES. 30th January 1868.	322. JOHN GRIMES, of Leicester, in the County of Leicester, Engineer, for an invention for—"Improvements in machinery or apparatus employed in the preparation or manufacture of the bottoms or soles and heels of boots and shoes." <i>Letters Patent sealed.</i>
ALAND. 30th January 1868.	323. HENRY ALAND, Ironfounder, of 18, Richard Street, Roupell Street, Lambeth, London, in the County of Surrey, for an invention for—"Improvements in rotary blowing fans for producing blast for furnaces and other purposes, which improvements may also be applied to air and gas exhausters." <i>Letters Patent sealed.</i>
HAMILTON. 30th January 1868.	324. MILTON ALEXANDER HAMILTON, of Detroit, Michigan, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved apparatus for cutting bread, vegetables and other substances." <i>Provisional protection only.</i>
HARTNELL. GUTHRIE. 30th January 1868.	325. WILSON HARTNELL, and STAIR GUTHRIE, both of the City of Lincoln, in the County of the same City, Engineers, for an invention for—"Improvements in or applicable to steam and other motive engines, and to engines or apparatus for raising and forcing fluids or feeding steam-boilers." <i>Letters Patent sealed.</i>
MAINWARING. 30th January 1868.	326. EDWARD THOMAS MAINWARING, of Tipton, in the County of Stafford, for an invention for—"An improved bale or metallic tie." <i>Letters Patent sealed.</i>
ROWAN. 30th January 1868.	327. THOMAS ROWAN, of Glasgow, in the County of Lanark, North Britain, Chemist, for an invention for—"Improvements in removing impurities, such as sulphur and phosphorus, from iron and other ores and from coal." <i>Letters Patent sealed.</i>
HAYNE. 30th January 1868.	328. BENJAMIN HAYNE, of the Mitre Tavern, Broadwall, Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in the mode of connecting beer-engine pipes with their taps." <i>Provisional protection only.</i>
NEWTON. 30th January 1868.	329. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in window sun blinds."— <i>A communication to him from abroad by Jacob B. Moore, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BULL. 30th January 1868.	330. WILLIAM BULL, of Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in vacuum and pressure case moulds, and in machinery for perforating the same, for the manufacture of fibrous articles in one piece without seam or joint." <i>Provisional protection not allowed.</i>
ROECKNER. 30th January 1868.	331. CARL HEINRICH ROECKNER, of the Hurstbourn Paper Mills, Whitchurch, in the County of Hants, for an invention for—"Improvements in machinery for the manufacture of paper." <i>Provisional protection only.</i>
THOMPSON. 30th January 1868.	332. JOHN THOMPSON, of 11, Aldersgate Street, in the City of London, for an invention for—"Improvements in feeding-bottles for invalids and infants." <i>Letters Patent sealed; no specification filed.</i>
CLARK. 30th January 1868.	333. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in adjustable wrenches."— <i>A communication to him from abroad by Pierre Augustin Samuël, Civil Engineer, of 2^e, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
ADAMES. 31st January 1868.	334. CHARLES HENRY ADAMES, of the firm of Thomas Whitfield and Company, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of portable metal buckets or pails and tubs." <i>Letters Patent sealed.</i>

- FLEET.**
31st January 1868.
335. EDWARD FLEET, of East Street, Walworth, in the County of Surrey, Mineral Water Manufacturer, for an invention for—"Improvements in apparatus for the manufacture of aerated liquids."
Letters Patent sealed.
- WALKER.
HUDSON.**
31st January 1868.
336. JOHN WALKER, of Beeston, near Leeds, in the County of York, Mechanic, and JAMES HUDSON, of Bowling, near Bradford, in the same County, Beer Seller, for an invention for—"Improvements in machinery for turning and cutting wood and other substances."
Letters Patent sealed.
- JOHNSON.**
31st January 1868.
337. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in steam-engines."—*A communication to him from abroad by Edward Nicoll Dickerson, of New York, in the United States of America.*
Letters Patent sealed.
- ANDREWS.**
31st January 1868.
338. EDWIN ANDREWS, of Huddersfield, in the County of York, Practical Tailor and Professional Cutter, for an invention for—"Improvements in trousers and breeches or other similar articles of wearing-apparel."
Provisional protection only.
- BONNEVILLE.**
31st January 1868.
339. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved advertising vehicle."—*A communication from Marie Elisabeth Gihaut, wife of Auguste Bénard, a person resident at No. 74, Rue de la Victoire, in the City of Paris, aforesaid.*
Provisional protection only.
- CHAPMAN.**
31st January 1868.
340. HENRY CHAPMAN, of No. 2, Westminster Chambers, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in bolts, nuts and washers."
Letters Patent sealed.
- MITCHELL.
GRAHAM.**
31st January 1868.
341. JOHN MITCHELL, junior, and GEORGE THOMSON GRAHAM, both of Dundee, in the County of Forfar, North Britain, Manufacturers, for an invention for—"Improvements in apparatus for marking or cutting woven fabrics into lengths such as are required for making sacks."
Letters Patent sealed.
- BOLTON.**
31st January 1868.
342. EDWARD BOLTON, of Warrington, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of gunpowder and similar explosive compounds."
Provisional protection only.
- SCOTT.**
31st January 1868.
343. GEORGE LAMB SCOTT, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for steering ships."
Letters Patent sealed.
- HOWELL.**
31st January 1868.
344. SAMUEL EARNSHAW HOWELL, of Sheffield, in the County of York, Engineer, for an invention for—"Improvements in suspension bridges."
Letters Patent sealed.
- LIVESEY.**
31st January 1868.
345. JAMES LIVESEY, of 9, Victoria Chambers, Westminster, in the County of Middlesex, Engineer, for an invention for—"An improved material that may be used as a substitute for glass."
Letters Patent sealed.
- FRAME.**
31st January 1868.
346. JOHN FRAME, of the City of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in transmitting motive-power and in mechanism or apparatus employed therefor."
Letters Patent sealed.
- CLARK.**
31st January 1868.
347. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in steam-engines and in parts connected therewith."—*A communication to him from abroad by Charles Julien Quétil, Civil Engineer, of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- CLARKE.**
31st January 1868.
348. GEORGE CLARKE, of Southwell House, Lower Heath, Hampstead, in the County of Middlesex, for an invention for—"Improvements in fire escapes."
Letters Patent sealed.
- MOULTON.**
1st February 1868.
349. GEORGE MOULTON, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in pentagraph engraving machines employed in the engraving of cylindrical or other surfaces."
Provisional protection only.
- JONES.
WILLIAMS.**
1st February 1868.
350. JEROME VALENTINE JONES, and GEORGE JAMES WILLIAMS, both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in the manufacture of metallic tubes and in machinery used in the manufacture of metallic tubes."
Letters Patent sealed.

SMITH. 1st February 1868.	351. ROBERT CATANACH SMITH, of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"Improvements in the arrangement or construction of sinks or similar apparatus." <i>Letters Patent sealed.</i>
AITKEN. 1st February 1868.	352. HENRY AITKEN, of Falkirk, in the County of Sterling, North Britain, for an invention for—"Improvements in treating iron ores or ironstones for the purpose of obtaining products therefrom, and in the means employed therefor, also improvements in the ovens or 'draw kilns' for carbonising iron ores or ironstones." <i>Letters Patent sealed.</i>
CLARK. VAN WINKLE. 1st February 1868.	353. ADOLPHUS CLARK, and ABRAHAM VAN WINKLE, both of 7, Great Wild Street, London, in the County of Middlesex, Soda Apparatus Manufacturers, for an invention for—"Improved apparatus for manufacturing and storing aerated waters, and for transferring these and other liquids from one vessel to another."— <i>The result part of a communication made to them from abroad by their partner Gustavus Davis Dows, of Boston, Massachusetts, in the United States of America, and partly of invention and discovery made by them.</i> <i>Letters Patent sealed.</i>
CLARK. 1st February 1868.	354. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the mode of utilizing and increasing the lighting power of gases and inflammable vapours, and in apparatus connected therewith."— <i>A communication to him from abroad by Edouard Armand d'Hurcourt, Civil Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MURRAY. 1st February 1868.	355. DUNCAN MURRAY, of York Chambers, Adelphi, in the County of Middlesex, Gentleman, for an invention for—"Improvements in coverings for the head, which improvements are also partly applicable to the protecting or covering of the mouth and neck." <i>Letters Patent sealed.</i>
JAMESON. 1st February 1868.	356. JOHN JAMESON, of Catherine Terrace, Gateshead, Engineer, for an invention for—"Improvements in the preparation of postage and other stamps and in the obliteration of the same." <i>Letters Patent sealed.</i>
BROOMAN. 3rd February 1868.	357. CLINTON EDGECUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in steam and water valves, cocks and faucets."— <i>A communication to him from abroad by Henry Gurney Morris, of Philadelphia, United States of America.</i> <i>Letters Patent sealed.</i>
FORD. 3rd February 1868.	358. BENJAMIN FORD, of Middlesborough-on-Tees, in the County of York, Engineer, for an invention for—"Improvements in hot-air stoves for blast furnaces in the manufacture of iron." <i>Provisional protection only.</i>
TOLSON. 3rd February 1868.	359. JAMES TOLSON, of Dalton, near Huddersfield, in the County of York, Manufacturer, for an invention for—"Improvements in means and apparatus for fettling or cleaning the cards of scribbling or carding-engines, or other machines having cylinders or rollers clothed with cards, used in the preparation of wool, cotton or other fibrous substances." <i>Provisional protection only.</i>
WEEMS. WEEMS. 3rd February 1868.	360. JOHN WEEMS, and WILLIAM WEEMS, of Johnstone, in the County of Renfrew, North Britain, Engineers, for an invention for—"Improvements in machinery, apparatus or means for heating and drying grain and other vegetable products, fabrics, paper, yarns, fibrous materials and other substances." <i>Letters Patent sealed; specification filed by order.</i>
WILSON. 3rd February 1868.	361. MARIA ALICE WILSON, of Victoria Road, Kensington, in the County of Middlesex, for an invention for—"Improvements in spring and other mattresses, couches and cushions." <i>Letters Patent sealed.</i>
COMBE. BARBOUR. 3rd February 1868.	362. JAMES COMBE, of Belfast, in the County of Antrim and Kingdom of Ireland, and JAMES BARBOUR, of the same place, for an invention for—"Improvements in machinery for hackling and scutching flax and other fibrous substances." <i>Letters Patent sealed.</i>
DOMENECH. JONTE. 3rd February 1868.	363. JOSE MARIA DOMENECH, Engineer, and FREDERIC PIERRE JONTE, Cabinet Maker, of No. 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in combined photographic apparatus for outdoor operations." <i>Letters Patent sealed.</i>

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| <p>JOHNSON.
3rd February 1868.</p> <p>WEST.
3rd February 1868.</p> <p>RICHARDSON.
3rd February 1868.</p> <p>LAKE.
3rd February 1868.</p> <p>WRIGHT.
3rd February 1868.</p> <p>OFFORD.
HALE.
3rd February 1868.</p> <p>WALLIS.
MANT.
3rd February 1868.</p> <p>JOHNSON.
4th February 1868.</p> <p>JONES.
4th February 1868.</p> <p>GRETHER.
BAILEY.
4th February 1868.</p> <p>LEWIS.
ALSTON.
ALSTON.
4th February 1868.</p> <p>DESENS.
4th February 1868.</p> <p>DEWAR.
4th February 1868.</p> <p>MORTON.
4th February 1868.</p> <p>MORGAN.
4th February 1868.</p> | <p>364. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment of bones."—<i>A communication to him from abroad by François Coignet, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i></p> <p>365. JOSEPH WEST, of 28, Raglan Road, Plumstead, in the County of Kent, for an invention for—"An improved method of and composition for preventing the formation of scale in steam-boilers." <i>Provisional protection only.</i></p> <p>366. CHARLES RICHARDSON, of Gracechurch Street, in the City of London, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i></p> <p>367. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in leggings or gaiters and other like articles."—<i>A communication to him from abroad by William George Rule, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>368. HENRY BENJAMIN WRIGHT, of Albany Street, Regent's Park, in the County of Middlesex, Dressing Case Maker, for an invention for—"Improvements in apparatus for sweeping chimneys." <i>Provisional protection only.</i></p> <p>369. JOSEPH OFFORD, of Oxford Street, in the County of Middlesex, Coach Builder, and SHEPARD WILLIAM HALE, of Paddington, in the said County, Coach Builder, for an invention for—"Improvements in public and private carriages and vehicles, in regard to opening and closing the heads or hoods of those having moveable heads or hoods, and opening and closing the doors of public and private carriages and vehicles generally." <i>Letters Patent sealed.</i></p> <p>370. WILLIAM WALLIS, of Birmingham, in the County of Warwick, Boot Manufacturer, and GEORGE MANT, of Birmingham, aforesaid, Inland Revenue Officer, for an invention for—"Improvements in stands or supports for lasts used in the manufacture of boots and shoes." <i>Provisional protection only.</i></p> <p>371. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment of compressed or embossed wood."—<i>A communication to him from abroad by Samuel Betton Henry, of Bridgeport, County of Fairfield, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>372. RALPH AUGUSTINE JONES, of Aylesbury, in the County of Buckingham, Gentleman, for an invention for—"An improved warming and ventilating vessel or apparatus applicable to stoves and other heat suppliers." <i>Letters Patent sealed.</i></p> <p>373. ERNEST GRETHER, of the City of Manchester, Merchant, and MARK BAILEY, of Huddersfield, in the County of York, India-Rubber Manufacturer, for an invention for—"Improvements in machinery for cutting discs or washers of india-rubber and other substances." <i>Provisional protection only.</i></p> <p>374. JOHN LEWIS, of Preston, in the County of Lancaster, Engineer, RICHARD ALSTON, of the same place, Manager, and EDWARD ALSTON, of the same place, Pawnbroker, for an invention for—"Improvements in moveable fire bars." <i>Letters Patent sealed.</i></p> <p>375. LOUIS DESENS, of 31, Charing Cross, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of miners' lamps." <i>Provisional protection only.</i></p> <p>376. JAMES DEWAR, Doctor of Medicine, residing at Kirkcaldy, in the County of Fife, in North Britain, for an invention for—"Improvements in preserving animal substances for use as food." <i>Letters Patent sealed.</i></p> <p>377. ROBERT MORTON, of 5, Cambridge Lodge Villas, Hackney, in the County of Middlesex, Engineer, for an invention for—"Improvements in refrigerators or apparatus for cooling liquids, parts of which improvements are also applicable to distillation, surface condensation, and heating air for blast furnaces or other purposes." <i>Letters Patent sealed.</i></p> <p>378. EDWARD AIKMAN MORGAN, of Paisley, in the County of Renfrew, North Britain, Thread Manufacturer, for an invention for—"Improvements in apparatus for spinning or twisting." <i>Provisional protection only.</i></p> |
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SCOTT. 4th February 1868.	379. THOMAS SCOTT, of Fushie Bridge, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in kilns or apparatus for drying grain or other granular matters." <i>Provisional protection only.</i>
COOK. 4th February 1868.	380. THOMAS COOK, of Penfold Terrace, Peckham, in the County of Surrey, Mechanical Engineer, for an invention for—"Improvements in raising or forcing liquids from casks, barrels and other vessels or receptacles." <i>Provisional protection only.</i>
STERRY. 4th February 1868.	381. ARTHUR CHARLES STERRY, of Woodgate Cottage, Ewell, in the County of Surrey, for an invention for—"Improvements in and applicable to locomotive engines and carriages on railways." <i>Provisional protection only.</i>
SCOTT. MOWAT. 4th February 1868.	382. THOMAS SCOTT, and ROBERT MOWAT, both of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in lamps for burning paraffin and other hydrocarbon oils." <i>Letters Patent sealed.</i>
GRAHAM. 4th February 1868.	383. PETER GRAHAM, of Oxford Street, in the County of Middlesex, for an invention for—"Improvements in corks or stoppers for closing bottles and jars." <i>Letters Patent sealed.</i>
WEBSTER. 4th February 1868.	384. JOHN WEBSTER, of 3, College Street, Chelsea, in the County of Middlesex, for an invention for—"An improvement in the means of preventing incrustation in steam-boilers and other vessels." <i>Letters Patent sealed.</i>
NEWTON. 4th February 1868.	385. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements applicable to steam-boilers for automatically sounding an alarm at the extremes of high and low water, also for automatically sounding an alarm when the steam in the boilers exceeds a given pressure."— <i>A communication to him from abroad by Thomas Peter Akers, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
PETTMAN. 4th February 1868.	386. JOHN PETTMAN, of 1, Mounty Terrace, Eglinton Road, Plumstead, in the County of Kent, for an invention for—"Improvements in percussion fuzes suitable for projectiles to be fired from rifled ordnance." <i>Provisional protection only.</i>
WALKER. 5th February 1868.	387. THOMAS WEST WALKER, of Poole, in the County of Dorset, for an invention for—"Improvements in the manufacture of bricks, tiles, slabs and other like articles, and in the materials and machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
McKELLEN. 5th February 1868.	388. ROBERT DUNSEITH McKELLEN, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus to be employed in the manufacture of cotton and other balls." <i>Letters Patent sealed.</i>
TAYLOR. 5th February 1868.	389. SAMUEL GEE TAYLOR, of the firm of Messieurs Clare, Taylor and Company, of Tyldesley, in the County of Lancaster, Spinners and Doublers, for an invention for—"An improved mode of lubricating the spindles of machines for spinning and doubling." <i>Letters Patent sealed.</i>
JONES. 5th February 1868.	390. ROBERT JOHN JONES, of Blue Pits, near Rochdale, in the County of Lancaster, Timber Merchant, for an invention for—"Improvements in machinery for manufacturing clog soles, clog blocks, patten boards and similar articles, and cutting welts." <i>Letters Patent sealed.</i>
ARDACHE. 5th February 1868.	391. FLORIMOND ARDACHE, Printer, of Saint Vaast, in the Province of Hainaut, Kingdom of Belgium, for an invention for—"Improvements in apparatus for winding flat cords, ropes and bands." <i>Letters Patent sealed.</i>
BOULTON. 5th February 1868.	392. MATTHEW PIERS WATT BOULTON, of Tew Park, in the County of Oxford, Gentleman, for an invention for—"Improvements in propulsion and in aerial locomotion, and in apparatus connected therewith, parts of which are applicable to projectiles and to boilers." <i>Letters Patent sealed.</i>
BUNNING. 5th February 1868.	393. HENRY BUNNING, junior, of Field House, New Cross, for an invention for—"Improvements in apparatus for burning combustible liquids in furnaces." <i>Letters Patent sealed.</i>
NEWTON. 5th February 1868.	394. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in mowing and reaping machines."— <i>A communication to him from abroad by John Dodge Wilber, Mark Dodge Wilber and Francis Kirby Stevens, all of Poughkeepsie, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>

- NEWTON.
5th February 1868. 395. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in buttons and in the means for securing them to garments or other articles of wear or use."—*A communication to him from abroad by Daniel McLean Somers and Walter Scott Atwood, both of Brooklyn, in the State of New York, United States of America.*
Letters Patent sealed.
- MOORE.
HAMILTON.
5th February 1868. 396. HENRY MOORE, of Aston, in the County of Stafford, Manufacturer, and JOSEPH HAMILTON, of the same place, Machinist, for an invention for—"Improvements in the construction of furniture expanders and in machinery to be used in making the same, which machinery is also applicable to other manufactures."
Letters Patent sealed.
- JONES.
5th February 1868. 397. JOHN ALLCOCK JONES, of Middlesborough, in the County of York, Engineer, for an invention for—"Improvements in the production of iron and steel."
Letters Patent sealed.
- HAY.
5th February 1868. 398. JOHN HAY, of Glasgow, in the County of Lanark, North Britain, for an invention for—"A new method of roughing horses and of constructing horse-shoes."
Letters Patent sealed.
- GUTTRIDGE.
6th February 1868. 399. CHARLES WILLIAM GUTTRIDGE, of Landport, in the County of Hampshire, Grocer, for an invention for—"An improved apparatus for cutting soap."
Provisional protection only.
- ROPER.
6th February 1868. 400. GEORGE ROPER, of Bank House, Aylsham, in the County of Norfolk, Gentleman, for an invention for—"An improved screw propeller."—*A communication to him from abroad by Alfred Roper, at present residing at Hong Kong, in the Empire of China.*
Provisional protection only.
- BORGEN.
6th February 1868. 401. ADOLPH EMIL BORGEN, of No. 28, Corn Exchange Chambers, Seething Lane, in the City of London, Merchant, for an invention for—"The preparation of 'Phosphor free' matches, made either with or without paraffin, stearine or wax, without the use of phosphor, and without requiring any prepared surface in order to obtain an instant light."—*A communication to him from abroad by Ole Christian Green, of Copenhagen, in the Kingdom of Denmark, Merchant.*
Letters Patent sealed.
- RANKINE.
GALE.
6th February 1868. 402. WILLIAM JOHN MACQUORN RANKINE, of the University of Glasgow, Professor of Civil Engineering and Mechanics, and JAMES MORRIS GALE, of Glasgow, in the County of Lanark, North Britain, Civil Engineer, for an invention for—"Improvements in condensing steam and in apparatus therefor."
Provisional protection only.
- BRINDLE.
6th February 1868. 403. HENRY BRINDLE, of Leyland, in the County of Lancaster, for an invention for—"Certain improvements in 'shuttles' to be employed in looms for weaving."
Provisional protection only.
- HONEYMAN.
6th February 1868. 404. JOHN HONEYMAN, junior, of Glasgow, in the County of Lanark, North Britain, Architect, for an invention for—"Improvements in arrangements and apparatus for trapping and ventilating in connection with drain or other pipes."
Provisional protection only.
- NEWTON.
6th February 1868. 405. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam gauges."—*A communication to him from abroad by David M. Greene, of Troy, in the State of New York, United States of America.*
Letters Patent sealed.
- COLE.
6th February 1868. 406. JOHN CYRUS COLE, of Smethwick, in the County of Stafford, Engineer, for an invention for—"Improvements in drill braces, applicable also to spanners and other like implements."
Provisional protection only.
- WHITE.
6th February 1868. 407. JOHN TAHOURDIN WHITE, of King Edward Street, in the City of London, for an invention for—"Improvements in fire lighters."
Letters Patent sealed.
- BRADBURY.
CHADWICK.
6th February 1868. 408. GEORGE FRANCIS BRADBURY, and THOMAS CHADWICK, of the firm of Bradbury and Co., of Oldham, in the County of Lancaster, Sewing-Machine Manufacturers, for an invention for—"Improvements in or applicable to certain sewing-machines."—*A communication to them from abroad by Thomas Antoney Macaulay, of New York, United States of North America.*
Letters Patent sealed.

OAKESHOTT. 6th February 1868.	409. BENJAMIN MORRIS OAKESHOTT, of 4, Sloane Square, Chelsea, in the County of Middlesex, for an invention for—"An improved hot-air simple or medicated vapour bath." <i>Provisional protection only.</i>
BRAKELL. 6th February 1868.	410. CHRISTOPHER BRAKELL, of Windsor Road, Oldham, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for measuring fluids." <i>Letters Patent sealed.</i>
TONGUE. 6th February 1868.	411. WILLIAM TONGUE, of Kennington, in the County of Surrey, Engineer, for an invention for—"Improvements in machinery for straightening and preparing fibrous materials for combing or spinning." <i>Letters Patent sealed.</i>
MASEY. 6th February 1868.	412. PHILIP EDWARD MASEY, of Regent's Park, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for obtaining aerial locomotion, part of such improvements being applicable to rotary steam-engines and boilers for other purposes." <i>Provisional protection only.</i>
HART. 6th February 1868.	413. HERBERT WILLIAM HART, of Norfolk Terrace, Bayswater, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of safety envelopes." <i>Provisional protection only.</i>
Longbottom. Longbottom. 7th February 1868.	414. CHRISTOPHER LONGBOTTOM, and CHARLES HINDLE LONGBOTTOM, of Bradford, in the County of York, Agents, for an invention for—"Certain improvements in or applicable to machinery for spinning, twisting and winding fibrous substances, and to looms for weaving." <i>Provisional protection only.</i>
O'DONNELL. ARKILL. 7th February 1868.	415. JAMES O'DONNELL, of Woburn Mews West, and THOMAS ARKILL, of River Street, King's Cross, both in the County of Middlesex, for an invention for—"Improvements in apparatus for raising and lowering venetian and other blinds." <i>Provisional protection only.</i>
READ. 7th February 1868.	416. SAMUEL READ, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in finishing paper and textile fabrics, and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
CASH. CASH. 7th February 1868.	417. JOHN CASH, and JOSEPH CASH, both of Coventry, in the County of Warwick, for an invention for—"Improved machinery for the manufacture of looped and textile fabrics, and in the fabrics produced thereon." <i>Letters Patent sealed.</i>
IBBOTSON. 7th February 1868.	418. ALFRED BUCKINGHAM IBBOTSON, of the firm of Ibbotson, Brothers & Co., of Sheffield, in the County of York, for an invention for—"Improved steel spring railway fastenings."— <i>A communication to him from abroad by Thomas Sexton Sarney, at present residing at Constantinople, in Turkey.</i> <i>Letters Patent sealed and specification filed by order.</i>
HANN. 7th February 1868.	419. WILLIAM HANN, of Hetton Colliery, near Fence Houses, in the County of Durham, Secretary to the Hetton Coal Company, for an invention for—"Improvements in safety lamps." <i>Letters Patent sealed.</i>
TUCKER. 7th February 1868.	420. GEORGE TUCKER, of Canonbury Road, in the Parish of Saint Mary, Islington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of rain-water pipes and certain other articles in cast-iron." <i>Provisional protection only.</i>
DRAKE. 7th February 1868.	421. WALTER DRAKE, of the Park Wharf, in the County of Nottingham, Timber Merchant, for an invention for—"Improvements in machinery or apparatus employed in the cutting of wood laths and for other similar purposes." <i>Provisional protection only.</i>
LAKE. 7th February 1868.	422. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in locks."— <i>A communication to him from abroad by Charles Herrman Eiffler, of the City and State of New York, United States of America, Manufacturer.</i> <i>Letters Patent sealed.</i>
WILSON. 8th February 1868.	423. JAMES BUCK WILSON, of Haydock, near St. Helen's, in the County of Lancaster, Gentleman, for an invention for—"Improvements in compressing, forging and rolling steel and other metals, and in machinery for such purposes." <i>Letters Patent sealed.</i>

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| <p>HARFORD.
8th February 1868.</p> <p>McKNIGHT.
8th February 1868.</p> <p>WALKER.
8th February 1868.</p> <p>ROTHWELL.
8th February 1868.</p> <p>PHILIPP.
8th February 1868.</p> <p>NIXON.
8th February 1868.</p> <p>HOWARD.
BOUSFIELD.
8th February 1868.</p> <p>RICHARDSON.
8th February 1868.</p> <p>COWAN.
8th February 1868.</p> <p>KEY.
HOSKINS.
8th February 1868.</p> <p>WOODWARD.
8th February 1868.</p> <p>BROOKE.
EDMONDSON.
8th February 1868.</p> <p>NICHOLSON.
8th February 1868.</p> <p>BILLUPS.
8th February 1868.</p> <p>SUGG.
8th February 1868.</p> <p>MARSTON.
8th February 1868.</p> | <p>424. GEORGE HARFORD, of the Borough and County of Newcastle-upon-Tyne, Sail Cloth Manufacturer, for an invention for—"Improvements in scaffolding and apparatus to be used for building and other similar purposes."
<i>Provisional protection only.</i></p> <p>425. ALEXANDER McKNIGHT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"A new or improved powder or composition for cleaning and polishing articles made of steel, iron, copper, brass or other metals."
<i>Provisional protection only.</i></p> <p>426. THOMAS WALKER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the construction of sewers and drain pipes or tubes."
<i>Letters Patent sealed.</i></p> <p>427. PETER ROTHWELL, of Hampstead Road, in the County of Middlesex, Gas Engineer, for an invention for—"An improved regulating valve for the delivery of specific quantities of gas, water or other fluids."
<i>Letters Patent sealed.</i></p> <p>428. ADOLPH PHILIPP, of Manchester, in the County of Lancaster, for an invention for—"An improved apparatus to be employed as a combined cigar ash and light holder, and 'whist' or other game marker."
<i>Provisional protection only.</i></p> <p>429. JOHN NIXON, of Nuneaton, in the County of Warwick, for an invention for—"Improvements in the manufacture of braces."
<i>Letters Patent sealed.</i></p> <p>430. JAMES HOWARD, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, Engineer, both of Bedford, in the County of Bedford, for an invention for—"Improvements in the construction of steam-boilers."
<i>Letters Patent sealed.</i></p> <p>431. WILLIAM RICHARDSON, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in machinery or apparatus for the manufacture of combs to be used in carding-engines, as doffer or other such combs, or in wool burring, cotton cleaning, or other machines used in the treatment of fibrous materials in which combs of the like character are required."
<i>Letters Patent sealed.</i></p> <p>432. WILLIAM COWAN, of Edinburgh, in the County of Mid Lothian, North Britain, Gas Meter Manufacturer, for an invention for—"Improvements in the construction of the cases of gas meters."
<i>Provisional protection only.</i></p> <p>433. JOHN KEY, and EBENEZER HOSKINS, of Birmingham, in the County of Warwick, Metallic Bedstead Manufacturers, for an invention for—"Certain improvements in metallic bedsteads."
<i>Letters Patent sealed.</i></p> <p>434. HENRY WOODWARD, of Hammersmith, in the County of Middlesex, Mechanical Engineer, for an invention for—"An improved knife cleaner."
<i>Provisional protection only.</i></p> <p>435. WILLIAM BROOKE, of the City of Manchester, in the County of Lancaster, Merchant, and RICHARD EDMONDSON, of Bank Top Mill, Blackburn, in the same County, Manufacturer, for an invention for—"Improvements in healds for weaving."
<i>Provisional protection only.</i></p> <p>436. JOSEPH ALFRED NICHOLSON, of No. 3, Adelaide Place, London Bridge, in the City of London, Ship Owner, for an invention for—"Improvements in water-closets, commodes, chamber and toilet utensils and other articles in earthenware or glass, and in the mode or means of securing stoppers, corks and other moveable parts or fittings therein or thereto, also in protecting the bearing or supporting surfaces thereof."
<i>Complete specification; protection for six months only.</i></p> <p>437. JONATHAN EDWIN BILLUPS, of Cardiff, in the County of Glamorgan, Contractor, for an invention for—"Improvements in separating powders of sulphate of barytes of various degrees of fineness, thus obtaining an exceedingly fine powder, and in the separating apparatus adopted for the same."
<i>Provisional protection only.</i></p> <p>438. WILLIAM THOMAS SUGG, of Vincent Works, Vincent Street, in the City of Westminster, for an invention for—"Improvements in valves."
<i>Letters Patent sealed.</i></p> <p>439. WILLIAM BEALE MARSTON, of Leeswood Vale Oil Works, near Mold, in the County of Flint, for an invention for—"Improvements in lamps and apparatus for lighting railway carriages."
<i>Letters Patent sealed.</i></p> |
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SZERELMEY. 8th February 1868.	440. NICHOLAS CHARLES SZERELMEY, of 90, Belgrave Road, Pimlico, in the County of Middlesex, Gentleman, for an invention for—"Improvements in rendering paper, fabrics and other articles waterproof." <i>Letters Patent sealed.</i>
SZERELMEY. 8th February 1868.	441. NICHOLAS CHARLES SZERELMEY, of 90, Belgrave Road, Pimlico, in the County of Middlesex, Gentleman, for an invention for—"Improvements in preserving wood." <i>Letters Patent sealed.</i>
LAKE. 8th February 1868.	442. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in split spikes."— <i>A communication to him from abroad by George W. McGill, of Washington, District of Columbia, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
LAKE. 8th February 1868.	443. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in railway switches and in adjusting and signalling devices for the same."— <i>A communication to him from abroad by Martin Henry Dooly, of Atlanta, Georgia, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
ADAMS. 10th February 1868.	444. WILLIAM BRIDGES ADAMS, of Woodstock Lodge, Blackheath, in the County of Kent, Engineer, for an invention for—"Improvements in heating and welding metals in various forms, applicable to forts, vessels, buildings and other structures and uses." <i>Complete specification; Letters Patent sealed.</i>
BURGOYNE. 10th February 1868.	445. WILLIAM BURGOYNE, of No. 22, Cambridge Street, Birmingham, in the County of Warwick, Builder, for an invention for—"Improvements in the construction of letter and invoice holders and sorters." <i>Provisional protection only.</i>
LAKE. 10th February 1868.	446. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved machine for scouring and cleaning grain."— <i>A communication to him from abroad by Gardner E. Throop, of Syracuse, New York, United States of America.</i> <i>Letters Patent sealed.</i>
BARNES. HANCOCK. 10th February 1868.	447. FREDERIC BARNES, of Southampton, in the County of Hants, Surgeon, and DAVID HANCOCK, of High Wycombe, in the County of Bucks, Gas Fitter, for an invention for—"A new or improved method of and apparatus for working and communicating motion to signals on railways." <i>Provisional protection only.</i>
JESSOP. SENIOR. 10th February 1868.	448. GEORGE JESSOP, and BEN SENIOR, of Batley, in the County of York, Overlookers, for an invention for—"Improvements in machinery for preparing wool and other fibrous substances for spinning, commonly known as the 'condenser carder.'" <i>Provisional protection only.</i>
BROOMAN. 10th February 1868.	449. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in combined pen and ink holders or fountain pen holders."— <i>A communication to him from abroad by Nicolas Jourdeuil, of Toulon, France.</i> <i>Provisional protection only.</i>
CLARK. 10th February 1868.	450. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in breech-loading ordnance and projectiles."— <i>A communication to him from abroad by Pierre Jules Jacob Noël, Dentist, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
TUCKER. 10th February 1868.	451. HENRY CHARLES TUCKER, of Staverton, in the County of Devon, Surveyor, for an invention for—"Improvements in apparatus for shearing and clipping sheep and other animals." <i>Provisional protection only.</i>
SCHLOTTER. 10th February 1868.	452. HERRMANN SCHLOTTER, of Köstritz, near Gera, in the Principality of Reuss, Germany, for an invention for—"An improved method of and apparatus for raising water." <i>Letters Patent sealed.</i>
TANSLEY. 11th February 1868.	453. JAMES TANSLEY, of Bedford, in the County of Bedford, Cabinet Maker, for an invention for—"Improvements in apparatus for working the rollers of blinds, shutters and maps." <i>Letters Patent sealed.</i>
DOBSON. 11th February 1868.	454. HENRY ARNOLD DOBSON, of Knightsbridge, in the Parish of St. Margaret's, Westminster, in the County of Middlesex, for an invention for—"An improved carriage spring." <i>Provisional protection only.</i>

CLANCHY. 11th February 1868.	455. TIMOTHY JOSEPH CLANCHY, of Cheetham, near Manchester, in the County of Lancaster, for an invention for—"Improvements in matches and fuseses." <i>Provisional protection only.</i>
SMITH. 11th February 1868.	456. THOMAS SMITH, of 10, Walnut Tree Walk, Lambeth, in the County of Surrey, Modeller and Machinist, for an invention for—"Improvements in steam-engine counters or registering machines." <i>Letters Patent sealed.</i>
HOLLAND. 11th February 1868.	457. CHARLES MENZIES HOLLAND, of Tan-y-Bwlch, in the County of Merionethshire, for an invention for—"Improvements in the construction of the permanent way of railways and tramways." <i>Provisional protection only.</i>
MELLING. 11th February 1868.	458. JOHN WILLIAM MELLING, of Wigan, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for cutting or excavating coal and other minerals." <i>Letters Patent sealed.</i>
VERHULST. VERHULST. 11th February 1868.	459. CHARLES VERHULST, and LOUIS VERHULST, both of the City of Manchester, Merchants, for an invention for—"Improvements in the arrangement and construction of fire-places."— <i>A communication to them from abroad by Amand Vandewiele, of Brussels, in the Kingdom of Belgium.</i> <i>Letters Patent sealed.</i>
STONEV. 11th February 1868.	460. JOSEPH ROBERTS STONEY, of Leeds, in the County of York, Engineer, for an invention for—"Improved appliances for the consumption of smoke and the economizing of fuel in steam-boiler and other furnaces." <i>Letters Patent sealed.</i>
PICKARD. 11th February 1868.	461. WILLIAM PICKARD, of Farsley, near Leeds, in the County of York, Overlooker, for an invention for—"An improvement in woollen condensing machinery." <i>Provisional protection only.</i>
HUMPHREYS. 11th February 1868.	462. HENRY TEMPLE HUMPHREYS, of 28, Westbourne Park Road, in the County of Middlesex, for an invention for—"A new process for the decarbonization of molten iron for its conversion into steel, which process is also applicable for the decarbonization of other substances." <i>Provisional protection only.</i>
SEAMER. 11th February 1868.	463. GEORGE SEAMER, of No. 5, Milk Street, in the City of London, Silk and Velvet Manufacturer, for an invention for—"Improvements in the manufacture of silk fancy weavings." <i>Letters Patent sealed.</i>
SCHÄFER. 11th February 1868.	464. FREDERICK SCHÄFER, of the firm of P. and F. Schäfer, of Golden Square, and of Piccadilly, both in the County of Middlesex, Manufacturers, for an invention for—"A new or improved apparatus for testing eggs." <i>Letters Patent sealed.</i>
BRIN. 11th February 1868.	465. ARTHUR BRIN, of Rue des Acacias, No. 11, at Paris (France), Civil Engineer, for an invention for—"Certain improvements in apparatus for generating and applying gas from air and hydrocarbon fluids for lighting and heating purposes." <i>Letters Patent sealed.</i>
WILLIAMSON. 11th February 1868.	466. JOHN STONEHOUSE WILLIAMSON, of West Hartlepool, in the County of Durham, for an invention for—"Improvements in drying machinery useful for drying corn and other vegetable substances." <i>Provisional protection only.</i>
NEWTON. 11th February 1868.	467. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved apparatus for saving life in cases of shipwreck."— <i>A communication to him from abroad by John Benjamin Stoner, Leopold Mendelson and Theodore Crommelin, all of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
WOOLLEY. 11th February 1868.	468. WILLIAM TOULMAN WOOLLEY, of Lever Street, Saint Luke's, in the County of Middlesex, for an invention for—"Improvements in locks or fastenings for purses, pocketbooks, bags and other articles." <i>Provisional protection only.</i>
WENDEN. FUSSELL. 11th February 1868.	469. JOHN WENDEN, of Alfred Street, Roman Road, Barnsbury, and SIMON PETER BOOTH FUSSELL, of Saint James's Road, Holloway, both in the County of Middlesex, Artists in Stained Glass, for an invention for—"An improved process for ornamenting glass." <i>Provisional protection only.</i>
LISTER. 11th February 1868.	470. SAMUEL CUNLIFFE LISTER, of Manningham, near Bradford, in the County of York, for an invention for—"Improvements in looms for weaving cut pile fabrics." <i>Letters Patent sealed.</i>

BARRON. 12th February 1868.	471. HENRY STRACEY BARRON, Mechanical Draughtsman, of 2, Alexandra Terrace, Barking Road, Parish of West Ham, County of Essex, for an invention for—"Improvements in double-action reciprocating pumps, by which the usual suction and delivery valves are dispensed with, and their functions performed by means of a sliding action of the barrel." <i>Provisional protection only.</i>
SMITH. 12th February 1868.	472. JOHN SMITH, of Cheetham, in the City of Manchester, Bleacher, Dyer and Finisher, for an invention for—"Improvements in apparatus for boiling animal and vegetable substances, and for evaporating the solutions obtained in such processes." <i>Provisional protection only.</i>
BAYFORD. 12th February 1868.	473. AUGUSTUS FREDERICK BAYFORD, of 38, Hamilton Terrace, St. John's Wood, N.W., Esquire, for an invention for—"Improved apparatus for facilitating the watering of plants in pots in conservatories, greenhouses and other similar structures." <i>Letters Patent sealed.</i>
THORNTON. VOSS. 12th February 1868.	474. JAMES THORNTON, Cabinet Maker, of No. 6, Polygon, Saint Pancras, in the County of Middlesex, and FRIEDRICH WILHELM VOSS, of No. 51, Compton Street, Brunswick Square, in the said County of Middlesex, Engineer, for an invention for—"Improvements in portable weighing apparatus." <i>Provisional protection only.</i>
YOUNG. 12th February 1868.	475. ROBERT YOUNG, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for training, levelling and dressing millstones." <i>Letters Patent sealed.</i>
ROSS. 12th February 1868.	476. ROBERT CRAIB ROSS, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in mechanism or apparatus to be employed for cutting paper, pasteboard, textile fabrics and similar substances or materials." <i>Letters Patent sealed.</i>
HUDSON. 12th February 1868.	477. WALTER GREVILLE CONYERS HUDSON, of No. 38, Barbara Street, Arundel Square, Barnsbury, in the Parish of Saint Mary, Islington, and County of Middlesex, for an invention for—"Improvements in revolving stands for culinary purposes."— <i>A communication to him from abroad by Charles Henry Hudson, of No. 43, Cortlandt Street, in the City and State of New York, in the United States of America.</i> <i>Provisional protection only.</i>
TUCKER. 12th February 1868.	478. SAMUEL BLATCHFORD TUCKER, of No. 43, Parliament Street, in the County of Middlesex, for an invention for—"Improvements in cartridge boxes or holders."— <i>A communication to him from abroad by John Webster Cochran, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
WOOTTON. 12th February 1868.	479. WILLIAM WOOTTON, of Westminster Bridge Road, in the County of Surrey, for an invention for—"Improvements in envelopes." <i>Letters Patent sealed.</i>
CONDY. 12th February 1868.	480. HENRY BOLLMANN CONDY, of Battersea, in the County of Surrey, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of acetic acid and in the preparation of materials to be used in the said manufacture." <i>Letters Patent sealed.</i>
WILLANS. 12th February 1868.	481. JACOB GEOGHEGAN WILLANS, of St. Stephen's Crescent, in the County of Middlesex, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
TOWLE. 12th February 1868.	482. JOHN TOWLE, of Cold Harbour, near Oxford, in the County of Berks, Justice of the Peace, for an invention for—"Improvements in the arrangement of sewers and drains for the collection and distribution of sewage matters." <i>Provisional protection only.</i>
SEVILLE. 13th February 1868.	483. SAMUEL SEVILLE, of Lees, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus to be employed for sizeing and balling yarns and threads." <i>Letters Patent sealed.</i>
TAUNTON. 13th February 1868.	484. WILLIAM GEORGE HENRY TAUNTON, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction of pumps and in mechanism employed in working the same." <i>Provisional protection only.</i>
GEORGE. 13th February 1868.	485. RICHARD GEORGE, of Kilburn, in the County of Middlesex, for an invention for—"Improvements in gas stoves for heating and ventilating." <i>Letters Patent sealed.</i>

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| <p>GRENIER.
13th February 1868.</p> <p>DEVERNA.
13th February 1868.</p> <p>WOOD.
13th February 1868.</p> <p>BLYTH.
13th February 1868.</p> <p>TOLHAUSEN.
13th February 1868.</p> <p>WOODFIELD.
13th February 1868.</p> <p>ROBERTS.
13th February 1868.</p> <p>LAKE.
13th February 1868.</p> <p>LAKE.
13th February 1868.</p> <p>ELLAND.
14th February 1868.</p> <p>BONNEVILLE.
14th February 1868.</p> <p>BONNEVILLE.
14th February 1868.</p> <p>LEMASSON.
14th February 1868.</p> <p>STEELE.
HASTIE.
14th February 1868.</p> | <p>486. FRANÇOIS GRENIER, of No. 3, Rue de la Coutellerie, Paris, in the Empire of France, Civil Engineer, for an invention for—"An improved kneading apparatus." <i>Provisional protection only.</i></p> <p>487. WILLIAM EDWARD DEVERNA, of Liverpool, in the County of Lancaster, for an invention for—"A new or improved fastener applicable as a substitute for buckles and such like purposes." <i>Letters Patent sealed.</i></p> <p>488. JOHN WOOD, of Keswick, in the County of Cumberland, Civil Engineer, for an invention for—"Improvements in indicating the position of railway points and in the apparatus or means employed therefor." <i>Provisional protection only.</i></p> <p>489. CHARLES BLYTH, Mill Manager, Dundee, for an invention for—"Improvements in machinery and apparatus for measuring and cutting cloth for bags and for other purposes." <i>Letters Patent sealed.</i></p> <p>490. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, in the Empire of France, Patent Agent, for an invention for—"New or improved processes and machinery or apparatus for brush making."—<i>A communication to him from Alexandre Joseph Marie Rennes, Manufacturer, a person resident at Paris (France).</i> <i>Letters Patent sealed.</i></p> <p>491. WILLIAM WOODFIELD, of the firm of William Woodfield and Sons, of Redditch, in the county of Worcester, Needle Manufacturers, for an invention for—"Improvements in papering needles or making up packets of needles for sale." <i>Provisional protection only.</i></p> <p>492. GEORGE ROBERTS, of No. 24, New Tothill Street, Victoria Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in candles." <i>Provisional protection only.</i></p> <p>493. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and apparatus for extracting and condensing the volatile portions of ores."—<i>A communication to him from abroad by Ferdinand Formhals, of San Francisco, California, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>494. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved whip-holder."—<i>A communication to him from abroad by Daniel Talcott, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>495. DAVID ELLAND, of High Ousegate, York, for an invention for—"Improved apparatus for signalling in railway carriages between drivers and guard." <i>Provisional protection only.</i></p> <p>496. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"Certain improvements in compound of aniline colours."—<i>A communication from Emil Zinssmann, a person resident at New York City, in the United States of America, Chemist.</i> <i>Letters Patent sealed.</i></p> <p>497. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in moderator or carcel lamps."—<i>A communication from Guillaume Auguste Richner, a person resident at No. 1, Rue du Hazard, in Paris, aforesaid, Merchant.</i> <i>Letters Patent sealed.</i></p> <p>498. ALFRED LEMASSON, of No. 13, Rue Lagille, Paris, in the Empire of France, for an invention for—"Improvements in the construction of dials or indicators for showing the distance travelled by cabs and other public conveyances, and the fares due for the same." <i>Letters Patent sealed.</i></p> <p>499. JAMES STERLE, Sugar Refiner, and JOHN HASTIE, Engineer, both of Greenock, in the County of Renfrew, North Britain, for an invention for—"Improvements in apparatus for conveying and treating animal charcoal and sugar." <i>Provisional protection only.</i></p> |
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LACK. 14th February 1868.	500. JOHANN PHILIPP LACK, of Basinghall Street, in the City of London, for an invention for—"Improvements in albums, scrap and other similar books."— <i>A communication to him from abroad by Johann Fritz Knipp, of Offenbach-on-the-Maine, in the Grand Duchy of Hesse.</i> <i>Letters Patent sealed.</i>
GEDGE. 14th February 1868.	501. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A process having for object the separation of animal from vegetable substances in textile fabrics, rags or any other material containing them."— <i>A communication to him from abroad by Philibert Antoine Hippolyte Schlosser, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
EICHBAUM. 14th February 1868.	502. GEORGE ADOLPHUS FITZMAURICE EICHBAUM, of 35, Southampton Buildings, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for indicating the amount of money received by omnibus conductors and other persons." <i>Provisional protection only.</i>
WISEDILL. 14th February 1868.	503. GEORGE VALENTINE WISEDILL, of Upper Street, Islington, in the County of Middlesex, Jeweller, for an invention for—"A new or improved ring for keys and other useful purposes." <i>Letters Patent sealed.</i>
HOGG. 15th February 1868.	504. JAMES ALLISON HOGG, of 14, Montague Street, Edinburgh, in the County of Midlothian, for an invention for—"Improvements in the method of and means for increasing the combustion and illuminating power of gas." <i>Provisional protection only.</i>
RAWORTH. 15th February 1868.	505. JOHN SMITH RAWORTH, of the City of Manchester, Engineer, for an invention for—"An improved mode of connecting and disconnecting revolving cylindrical surfaces." <i>Letters Patent sealed.</i>
MARTIN. 15th February 1868.	506. ROBERT MARTIN, of No. 1, Park Terrace, Horsham, in the County of Sussex, Artist, for an invention for—"An improvement in treating and deodorizing oils." <i>Provisional protection only.</i>
RIMES. 15th February 1868.	507. RICHARD HUCKNALL RIMES, of Bradford, in the County of York, Boot and Shoe Manufacturer, for an invention for—"Improvements in boots and shoes." <i>Letters Patent sealed.</i>
WHITTAKER. 15th February 1868.	508. DAVID WHITTAKER, of Blackburn, in the County of Lancaster, for an invention for—"Improvements in healds or heddles and other parts of looms, and in machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
EASTERBROOK. 15th February 1868.	509. WALTER EASTERBROOK, of 65, Albert Road, Kilburn, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery or apparatus for actuating, locking, interlocking and controlling railway points and signals." <i>Letters Patent sealed.</i>
BENNETT. JOBSON. 15th February 1868.	510. WILLIAM JOHN BENNETT, of Little Smith Street, in the City of Westminster, Manager, and JOHN JOBSON, of Vauxhall Bridge Road, in the County of Middlesex, Builder, for an invention for—"Improved apparatus for separating the solid and watery particles of slop and sewage." <i>Provisional protection only.</i>
COTTAM. 15th February 1868.	511. EDWARD COTTAM, of Battersea, in the County of Surrey, Engineer, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
FARMER. 15th February 1868.	512. BENJAMIN FARMER, of Barrow-in-Furness, in the County of Lancaster, for an invention for—"Improved breaking and crushing and hammering machinery, useful for crushing stone and minerals, and hammering iron, steel, brass, copper and other substances, and in forming wrought-steel bells." <i>Provisional protection only.</i>
CLARK. 15th February 1868.	513. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"An improved material applicable for the manufacture of felted and other fabrics."— <i>A communication to him from abroad by Louis Auguste Roux, Manufacturer of Hosiery, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
BARLOW. 15th February 1868.	514. JONATHAN BARLOW, of 6, 7, and 8, Queen Street, Oxford Street, in the County of Middlesex, Coach Ironmonger and Plater, for an invention for—"Improvements in carriages."— <i>The result partly of a communication made to him from abroad by George Keller, a person resident at 93, Boulevard Haussmann, Paris, and partly of invention of his own.</i> <i>Letters Patent sealed.</i>

- MUMMENHOFF.
15th February 1868. 515. LOUIS MUMMENHOFF, of Saint-Mary-Axe, in the City of London, for an invention for—"Improvements in compositions for the manufacture of building blocks and for use in building."—*A communication to him from abroad by Nicolaus Schroder, of Creuznach, Rhenish Prussia.* *Letters Patent sealed.*
- LEETCH.
15th February 1868. 516. JAMES LEETCH, of Birmingham, in the County of Warwick, for an invention for—"An improved apparatus for transmitting signals by pneumatic pressure." *Provisional protection only.*
- CLARK.
VICARS.
17th February 1868. 517. JOHN CLARK, of Liverpool, in the County of Lancaster, Iron Plainer, and THOMAS VICARS, of the same place, Gentleman, for an invention for—"An improved tobacco box and tobacco cutting machine combined." *Letters Patent sealed.*
- TASKER.
17th February 1868. 518. WILLIAM HENRY TASKER, of Bradford, in the County of York, Glass Blower and Manufacturer, for an invention for—"Improvements in or applicable to machinery for spinning and twisting fibrous substances." *Provisional protection only.*
- BRANDON.
17th February 1868. 519. ALEXANDER HORACE BRANDON, Civil Engineer, of 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in breech-loading fire-arms and cartridges."—*A communication to him from Benjamin B. Hotchkiss, Engineer, of New York, United States of America.* *Letters Patent sealed.*
- WORRALL.
17th February 1868. 520. JAMES PRESTON WORRALL, of Ordsall, in the County of Lancaster, for an invention for—"Certain improvements in the treatment of fabrics for the purpose of imitating skins of animals." *Provisional protection only.*
- WILKINSON.
17th February 1868. 521. WILLIAM HENRY WILKINSON, of Southwick, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved system of type composition and mode of constructing and arranging the type cases for the same." *Letters Patent sealed.*
- LINCOLN.
17th February 1868. 522. WILLIAM LINCOLN, of Boston, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved lamp burner." *Provisional protection only.*
- TAYLOR.
17th February 1868. 523. JOHN GEORGE TAYLOR, of 5, Boulevard de Strasbourg, Paris, France, Manufacturer, for an invention for—"Improvements in puzzles and puzzle chains, and in the applications thereof." *Provisional protection only.*
- CHEVASSU.
17th February 1868. 524. FRANÇOIS CHEVASSU, of Paris, Rue d'Aboukir, No. 99, Merchant, for an invention for—"An improved shirt." *Provisional protection only.*
- WALKER.
17th February 1868. 525. JAMES WALKER, of Poole, in the County of Dorset, for an invention for—"Improvements in the manufacture of ornamental tiles, slabs, bricks and other articles." *Letters Patent sealed.*
- DUFILHOL.
18th February 1868. 526. ADRIEN MARIE DUFILHOL, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Captain and Adjutant Major in the 5th Regiment of Dragoons, of the French Army, for an invention for—"An improved method of shoeing horses and other beasts of burden." *Provisional protection only.*
- CRONIER.
18th February 1868. 527. JOHN CRONIER, of 36, Hyde Road, in the County of Middlesex, Boot and Shoe Maker, for an invention for—"An improved rotary heel for boots and shoes." *Provisional protection only.*
- LAKE.
18th February 1868. 528. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in kilns and apparatus employed in the manufacture of bricks."—*A communication to him from abroad by Charles L. Cornish and John McDonald, both of the City and State of New York, United States of America.* *Provisional protection only.*
- WOLLHEIM.
18th February 1868. 529. LEONHARD WOLLHEIM, of Triest, in the Empire of Austria, but at present of Gloucester Gardens, Hyde Park, in the County of Middlesex, for an invention for—"Improvements in apparatus for barometrical and thermometrical purposes." *Provisional protection only.*
- BUTTERWORTH.
18th February 1868. 530. ROBERT BUTTERWORTH, of Patricroft, in the County of Lancaster, for an invention for—"Certain improvements in looms employed in the manufacture of smallware goods." *Provisional protection only.*

BAGULEY. 18th February 1868.	531. ROWLAND BAGULEY, of Blackburn, in the County of Lancaster, Shuttle Maker, for an invention for—"Improvements in shuttles for looms for weaving." <i>Provisional protection only.</i>
HINKS. HINKS. 18th February 1868.	532. JAMES HINKS, and JOSEPH HINKS, both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in portable stoves." <i>Letters Patent sealed.</i>
CLARK. 18th February 1868.	533. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"An improved vegetable extract for culinary purposes."— <i>A communication to him from abroad by Gustave de Villepoix, Apothecary, and Joseph François Bonnaterre, Civil Engineer, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
BROOMAN. 18th February 1868.	534. CLINTON EDGECUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Antoine Alphonse Chassepot, of Paris, France.</i> <i>Letters Patent sealed.</i>
PERKINS. TANDY. 18th February 1868.	535. WILLIAM PERKINS, of Russell Place, Fitzroy Square, in the County of Middlesex, Chemist, and GEORGE GRAINGER TANDY, of Anerly Road, in the Hamlet of Penge, in the County of Surrey, Gentleman, for an invention for—"An improved preparation or compound applicable for insulating electric conductors, and for such purposes as india-rubber and other vulcanizable gums are applicable." <i>Letters Patent sealed.</i>
NEWTON. 18th February 1868.	536. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved material for the base of artificial teeth and for other purposes, and also an improved construction of mould for forming dental plates."— <i>A communication to him from abroad by John Alexander MacClelland, of Louisville, in the State of Kentucky, United States of America.</i> <i>Letters Patent sealed.</i>
THOMPSON. THOMPSON. 18th February 1868.	537. JOSEPH THOMPSON, of Manor House, 124, Camberwell Road, and JOHN THOMPSON, of 46, Camberwell Green, both in the County of Surrey, for an invention for—"Improvements in fastening railway rails." <i>Letters Patent sealed.</i>
KEIGHLEY. 18th February 1868.	538. ARTHUR MONTAGUE KEIGHLEY, of Beeston, in the County of Nottingham, Station Master, for an invention for—"Improvements in the method of and means or apparatus for signalling from one part of a railway train to another." <i>Letters Patent sealed.</i>
WEILD. 18th February 1868.	539. WILLIAM WEILD, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in the process of treating sewing threads, to prepare, starch, dress, polish and wind the same, and in some of the machinery to be employed therein." <i>Letters Patent sealed.</i>
BETTS. 18th February 1868.	540. WILLIAM BETTS, of No. 1, Wharf Road, City Road, in the County of Middlesex, Capsule Manufacturer, for an invention for—"Improvements in the production of trade marks or other designs upon metallic capsules for bottles and other like receptacles, and in the apparatus or means employed therein." <i>Letters Patent sealed.</i>
CHAMBERLAIN. 18th February 1868.	541. HUMPHREY CHAMBERLAIN, of No. 3, St. John's, Wakefield, in the County of York, Civil Engineer, for an invention for—"Improvements in the manufacture of compressed bricks and in the machinery or apparatus employed therein." <i>Provisional protection only.</i>
HIGGINBOTHAM. MOORE. 19th February 1868.	542. JOSEPH HIGGINBOTHAM, and LEWIS MOORE, both of Manchester, in the County of Lancaster, Mechanics, for an invention for—"Improvements in machinery for turning, grinding and polishing rollers or cylinders composed of metal or other material." <i>Provisional protection only.</i>
BEELEY. 19th February 1868.	543. THOMAS BEELEY, of Hyde, in the County of Chester, for an invention for—"Improvements in keirs." <i>Letters Patent sealed.</i>
BLEZARD. 19th February 1868.	544. RICHARD BLEZARD, of Liverpool, in the County of Lancaster, Millwright, for an invention for—"Improvements in machines for cleaning wheat and other grain." <i>Letters Patent sealed.</i>

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| KIRKLAND.
19th February 1868. | 545. JOHN KIRKLAND, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction of pumps."
<i>Letters Patent sealed.</i> |
| WRIGHT.
19th February 1868. | 546. EDWARD WRIGHT, of Bradford, in the County of York, Engineer and Millwright, for an invention for—"Improvements in self-acting means or apparatus applicable to steam-boiler and other furnaces, for the consumption or prevention of smoke."
<i>Provisional protection only.</i> |
| COOKE.
COOKE.
19th February 1868. | 547. WILLIAM COOKE, and JOHN COOKE, trading under the firm of William Cooke and Company, of Tinsley, in the Parish of Rotherham, in the West Riding of the County of York, Iron and Steel Manufacturers, for an invention for—"Improvements in the manufacture of finished irons."
<i>Letters Patent sealed.</i> |
| YOUNG.
19th February 1868. | 548. EDWARD WILLIAM YOUNG, of 8, New Street, Spring Gardens, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of bridges."
<i>Letters Patent sealed.</i> |
| KING.
19th February 1868. | 549. JOSEPH JACKSON KING, of Glasgow, in the County of Lanark, North Britain, Warehouseman, for an invention for—"Improvements in sewing-machines."
<i>Letters Patent sealed.</i> |
| STEEL.
19th February 1868. | 550. WILLIAM HENRY STEEL, of 159, Park Road, Clapham, in the County of Surrey, for an invention for—"Improvements in hand saws for cutting dovetails and for other purposes."
<i>Letters Patent sealed.</i> |
| EDWARDS.
19th February 1868. | 551. WILLIAM EDWARDS, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in roughening the shoes of horses and other beasts of draught and burden."
<i>Provisional protection only.</i> |
| FAUCHEUX.
19th February 1868. | 552. RAOUL PAUL FAUCHEUX, of Paris, in the Empire of France, but at present residing at Caversham Road, Kentish Town, in the County of Middlesex, for an invention for—"Improvements in reels or bobbins and in means or apparatus to be applied thereto."
<i>Provisional protection only.</i> |
| LAKE.
19th February 1868. | 553. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved process of seasoning and preserving wood."— <i>A communication to him from abroad by Sigismund Beer, of the City and State of New York, United States of America.</i>
<i>Complete specification ; Letters Patent sealed.</i> |
| DODGE.
19th February 1868. | 554. GEORGE POMEROY DODGE, of No. 79, Upper Thames Street, in the City of London, India-Rubber Manufacturer, for an invention for—"Improvements in the manufacture of india-rubber valves, valve seats and other similar articles."
<i>Provisional protection only.</i> |
| DODGE.
19th February 1868. | 555. GEORGE POMEROY DODGE, of No. 79, Upper Thames Street, in the City of London, India-Rubber Manufacturer, for an invention for—"Improvements in packing for the stuffing boxes of steam-engines and for other like purposes."
<i>Provisional protection only.</i> |
| RENAULT.
19th February 1868. | 556. FÉLIX HONORÉ RENAULT, of No. 53, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"An improved combined umbrella and walking-stick."
<i>Provisional protection only.</i> |
| JONES.
19th February 1868. | 557. JAMES GRAFTON JONES, of the Blaina Iron Works, near Newport, in the County of Monmouth, for an invention for—"Improvements in machinery for exhausting air suitable to be used for ventilating mines and for other similar purposes."
<i>Letters Patent sealed.</i> |
| GUINNESS.
19th February 1868. | 558. WILLIAM STUART GUINNESS, of 42, Cheapside, in the City of London, for an invention for—"Improvements in sewing-machines."
<i>Letters Patent sealed.</i> |
| LORD.
19th February 1868. | 559. JOHN LORD, of Oadby, near Leicester, in the County of Leicester, Manufacturer, for an invention for—"Improvements in apparatus for coupling and uncoupling railway carriages and vehicles."
<i>Provisional protection only.</i> |
| JOSEPH.
19th February 1868. | 560. LIONEL BARNET JOSEPH, of Upper Norwood, in the County of Surrey, for an invention for—"Improvements in carriage and other wheels and tyres."
<i>Letters Patent sealed.</i> |

HENRY. 19th February 1868.	561. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of nails and in machinery or apparatus employed in the said manufacture."— <i>A communication to him from abroad by Emile Leon Dubrueil, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
MYERS. 19th February 1868.	562. WALTER MYERS, of Birmingham, in the County of Warwick, Jewellers' Factor, for an invention for—"Improvements in locket, miniature bracelets and miniature brooches." <i>Provisional protection only.</i>
BAUER. JOHNSON. JONES. 20th February 1868.	563. PHILIP BAUER, JAMES JOHNSON, and WILLIAM JONES, all of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in apparatus to be employed for lubricating revolving shafts or axles." <i>Letters Patent sealed.</i>
KILNER. 20th February 1868.	564. JAMES MAZE KILNER, Chaplain of Chester Castle, for an invention for—"Improvements in bedsteads or sleeping accommodation principally intended for military purposes." <i>Letters Patent sealed.</i>
WELDON. 20th February 1868.	565. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"Improvements relating primarily to the manufacture of chlorine by means of regenerated oxides of manganese, but partly applicable also to other purposes, being improvements in the decomposition of chlorine residues, in the peroxidation of oxides of manganese recovered therefrom, in the treatment of a bye product of the decomposition of those residues, in the separation of sulphuric acid and other impurities from the hydrochloric acid employed, and in apparatus and arrangements for some of these purposes." <i>Letters Patent sealed.</i>
GOUX. 20th February 1868.	566. PIERRE NICOLAS GOUX, of No. 49, Rue de Longchamps, Paris, in the Empire of France, Agricultural Proprietor, for an invention for—"Improvements in collecting and in disinfecting human excreta and converting the same into manure, also in the apparatus or means employed therein." <i>Letters Patent sealed.</i>
JOHNSON. 20th February 1868.	567. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improved means for increasing the draught in steam-boiler and other furnaces or fire-places."— <i>A communication to him from abroad by Jearum Atkins, of the City of Washington, in the United States of America.</i> <i>Provisional protection only.</i>
HULLETT. 20th February 1868.	568. JOHN HULLETT, of Purbrook, in the County of Hants, Gentleman, for an invention for—"Improvements in aeronautical apparatus." <i>Provisional protection only.</i>
TATTERS. KEEBLE. NEWBERY. 20th February 1868.	569. JAMES GRAHAM TATTERS, WALTER KEEBLE, and BENJAMIN NEWBERY, of Plymouth, in the County of Devon, for an invention for—"Improvements in the preparation of cigars." <i>Provisional protection only.</i>
MURRAY. 20th February 1868.	570. THOMAS ANDREW LUMSDEN MURRAY, of Brompton, in the County of Middlesex, Esquire, for an invention for—"Improvements in rails for tramways." <i>Letters Patent sealed.</i>
NEWTON. 20th February 1868.	571. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in mechanical movements adapted for use in clocks and watches, and wherever else it is desired to multiply motion or to convert speed into power."— <i>A communication to him from abroad by William Farr Goodwin, of East New York, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
DAVIES. 20th February 1868.	572. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in taps."— <i>A communication to him from abroad by Joseph Antoine Broquin and Armand Lainé, both of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
LAKE. 20th February 1868.	573. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in apparatus for shearing or clipping the wool or hair of sheep and other animals."— <i>A communication to him from abroad by James Andrew Bolton Higham, of Melbourne, in the Colony of Victoria, Australia.</i> <i>Provisional protection only.</i>

- LAKE.
20th February 1868. 574. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in stoves or furnaces for heating air."—*A communication to him from abroad by Andrew Thunder, of Sandhurst, in the Colony of Victoria, Australia, Brewer.* Letters Patent sealed.
- FENNELLY.
KENNY.
20th February 1868. 575. RICHARD FENNELLY, of Wellington Chambers, London Bridge, London, and PATRICK KENNY, of Waterford, in Ireland, for an invention for—"An improved method and apparatus for singeing off the hairs, bristles and other matters on pigs, in order to prepare them for being converted into bacon." Letters Patent sealed.
- DAVIES.
21st February 1868. 576. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of gas for lighting and heating."—*A communication to him from abroad by Louis Charles Emile Vial, of Paris, France.* Provisional protection only.
- BRIDGETT.
21st February 1868. 577. GEORGE ALFRED BRIDGETT, of Rose Bank, Fallowfield, near Manchester, in the County of Lancaster, for an invention for—"Improvements in steam-engine slide-valves, valve-gear and governors, parts of which are applicable to other purposes." Provisional protection only.
- BECKER.
21st February 1868. 578. LEWIS MATTHEWS BECKER, of No. 2, Guildhall Chambers, Basinghall Street, in the City of London, Telegraphic Engineer, for an invention for—"Improvements in the manner of indicating the position and supply of fire-plugs, fire-cocks, fire-alarms and for other purposes." Letters Patent sealed.
- COCHRANE.
21st February 1868. 579. CHARLES COCHRANE, of Woodside Iron Works, near Dudley, in the county of Worcester, for an invention for—"Improvements in blast furnaces." Letters Patent sealed.
- THOMPSON.
STATHER.
21st February 1868. 580. WALKDEN THOMPSON, and THOMAS STATHER, of the Borough of Kingston-upon-Hull, Engineers, for an invention for—"Improvements in apparatus for washing and drying grain." Provisional protection only.
- WALMSLEY.
TAYLOR.
21st February 1868. 581. HENRY WALMSLEY, and THOMAS WALMSLEY TAYLOR, of the City of Manchester, in the County of Lancaster, for an invention for—"A self-acting registering apparatus to register the number of persons entering into and on omnibuses or similar vehicles plying for hire." Provisional protection only.
- MENNONS.
21st February 1868. 582. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of No. 8, Southampton Buildings, in the County of Middlesex, and 53, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"An improvement in certain descriptions of bristle brushes."—*A communication from Thomas Maury, a person resident at Washington, in the United States of America.* Letters Patent sealed.
- ALTHAM.
CLARK.
RIDEHALGH.
21st February 1868. 583. THOMAS ALTHAM, JONATHAN CLARK, and SPENCER RIDEHALGH, all of Nelson, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus employed for sizeing yarn, termed 'tape legs,' being also applicable to other similar machinery." Provisional protection only.
- BURY.
BURY.
21st February 1868. 584. THOMAS BURY, and JOHN ROBERT BURY, both of Blackburn, in the County of Lancaster, Shuttle Makers, for an invention for—"Improvements in shuttles for looms for weaving." Provisional protection only.
- WHEATLEY.
21st February 1868. 585. JESSE WHEATLEY, of East Moulsey, in the County of Surrey, Builder and House Agent, for an invention for—"An improved construction of chimney pot." Letters Patent sealed.
- NEWTON.
21st February 1868. 586. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in reaping and mowing machines."—*A communication to him from abroad by William Farr Goodwin, of East New York, in the State of New York, United States of America.* Letters Patent sealed.
- WILSON.
21st February 1868. 587. WILLIAM WILSON, of the Borough of Newcastle-on-Tyne, Hat Manufacturer, for an invention for—"Improvements in apparatus for lubricating the sliding valves and pistons of steam-engines."—*A communication to him from abroad by Freiderich Schaweecker, a person resident at Weiden, Bavaria.* Letters Patent sealed.

DE METZ. 22nd February 1868.	588. AUGUSTUS DE METZ, of Wolverhampton, in the County of Stafford, for an invention for—"Improvements in commode pots or vessels to be used as waterclosets or for other purposes." <i>Provisional protection only.</i>
MITCHELL. 22nd February 1868.	589. ROBERT BRIGHTMORE MITCHELL, of Sheffield, in the County of York, Edge Tool Maker, for an invention for—"An improved method for making plane irons, sheep shears and other edge tools." <i>Provisional protection only.</i>
McCALL. 22nd February 1868.	590. JOHN MCCALL, of Houndsditch, in the City of London, Provision Merchant, for an invention for—"An improved mode or process of preserving meat." <i>Provisional protection only.</i>
GALLOWAY. 22nd February 1868.	591. CHARLES JOHN GALLOWAY, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in wrought-iron and steel piles, pillars and columns." <i>Provisional protection only.</i>
LAKE. 22nd February 1868.	592. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for supplying type forms in printing presses with various coloured inks for each impression."— <i>A communication to him from abroad by George Washington Wood, of Richmond, Indiana, United States of America.</i> <i>Letters Patent sealed and specification filed by order.</i>
NEEDHAM. 22nd February 1868.	593. JOSEPH NEEDHAM, of Piccadilly, in the County of Middlesex, for an invention for—"Improved fastenings for gloves, boots and other articles." <i>Provisional protection only.</i>
NEWTON. 22nd February 1868.	594. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements applicable to steam-boiler and other furnaces."— <i>A communication to him from abroad by William Henry Nobles, of St. Paul, in the State of Minnesota, and Milton Vorse Nobles, of Elmira, in the State of New York, United States of America.</i> <i>Provisional protection only.</i>
ASTON. 22nd February 1868.	595. JAMES JONES ASTON, of 13, Pembroke Gardens, Kensington, in the County of Middlesex, and of the Middle Temple, Barrister-at-Law, for an invention for—"Improvements in machinery or propellers applicable for the propulsion of ships, boats and other vessels on and over the water." <i>Provisional protection only.</i>
NEWLANDS. 22nd February 1868.	596. BENJAMIN EDWARD REINA NEWLANDS, F.C.S., of 4, Malvern Terrace, Charlton, in the County of Kent, for an invention for—"Improvements in treating spent oxide of iron or oxide of iron which has been used in gas works or otherwise, to separate sulphur from sulphuretted hydrogen, and in the purification of sulphur obtained from such oxide of iron." <i>Provisional protection only.</i>
RYLAND. 22nd February 1868.	597. WILLIAM HAWKES RYLAND, of Birmingham, in the County of Warwick, Manufacturer and Factor, for an invention for—"Improvements in fastenings for articles of dress and jewellery." <i>Provisional protection only.</i>
SANGSTER. 22nd February 1868.	598. FRANCIS SANGSTER, of No. 15, Dacre Park, Lee, in the County of Kent, for an invention for—"Improvements in parasols and umbrellas." <i>Provisional protection only.</i>
LAKE. 22nd February 1868.	599. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in electrical signal or alarm apparatus."— <i>A communication to him from abroad by George Washington Shawk and Job Franz, both of Cleveland, Ohio, United States of America.</i> <i>Letters Patent sealed.</i>
FIRTH. 22nd February 1868.	600. SAMUEL FIRTH, of Leeds, in the County of York, Merchant, for an invention for—"Improvements in machinery for cutting coal, stone or other minerals." <i>Letters Patent sealed.</i>
NICOLL. ABLETT. 22nd February 1868.	601. ELIZABETH JEWEL NICOLL, of Oxford Street, and THOMAS MARK ABLETT, of High Holborn, Shoemaker, both in the County of Middlesex, for an invention for—"Improvements in waist springs for boots and shoes." <i>Provisional protection only.</i>
KRUTZSCH. 22nd February 1868.	602. WILLIAM KRUTZSCH, of Number 5, Philpot Street, Commercial Road, London, E., Engineer, for an invention for—"Improvements in cleaning or washing clothes and in the machines used therefor."— <i>A communication to him from abroad by Oscar Schimmel, of the Town of Chemnitz, Saxony, Engineer.</i> <i>Complete specification: Letters Patent sealed.</i>

- HEATHFIELD.**
22nd February 1868.
- 603. RICHARD HEATHFIELD**, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of cut nails."
Letters Patent sealed.
- CHAMBERLAIN.
CRAVEN.
WEDEKIND.**
24th February 1868.
- 604. HUMPHREY CHAMBERLAIN**, and **JOHN CRAVEN**, both of Wakefield, in the County of York, Engineers, and **HERMANN WEDEKIND**, of No. 2, Dunster Court, Mincing Lane, in the City of London, Engineer, for an invention for—"Improvements in the burning of bricks, lime, cement and other like substances, and in the kilns employed therein."—*Partly a communication to them from abroad by Friedrich Hoffmann, of Berlin, in the Kingdom of Prussia, and partly their own invention.*
Provisional protection only.
- WATTS.**
24th February 1868.
- 605. JAMES WREN WATTS**, of Norway Street, St. Luke's, in the County of Middlesex, for an invention for—"Improvements in machinery for preparing vegetable fibre."
Provisional protection only.
- STENGER.**
24th February 1868.
- 606. AUGUSTUS STENGER**, of 4, Gresham Street, in the City of London, Merchant, for an invention for—"Improvements in umbrellas and parasols."
Letters Patent sealed.
- HANCOCK.
FRENCH.**
24th February 1868.
- 607. PHILIP HENRY HANCOCK**, of No. 107, Tachbrook Street, Pimlico, in the County of Middlesex, and **JOSEPH PAXTON FRENCH**, of No. 6, St. Andrew's Terrace, Wandsworth Road, in the County of Surrey, for an invention for—"Improvements in printing machines."
Letters Patent sealed.
- GISBORNE.**
24th February 1868.
- 608. JOHN SACHEVERELL GISBORNE**, of Liverpool, in the County of Lancaster, Electrical Engineer, for an invention for—"An improved mode of and means or apparatus for indicating a ship's course and preventing collisions at sea."
Provisional protection only.
- MACINTOSH.
BOGGETT.**
24th February 1868.
- 609. JOHN MACINTOSH**, of North Bank, Regent's Park, and **WILLIAM BOGGETT**, of Lindsey Houses, Chelsea, both in the County of Middlesex, for an invention for—"Improvements in the manufacture and application of elastic goods or fabrics."
Letters Patent sealed.
- FORDRED.
LAMBE.
STERRY.**
24th February 1868.
- 610. JOHN FORDRED**, of Blackheath, in the County of Kent, Chemist, and **FREDERICK LAMBE**, and **ARTHUR CHARLES STERRY**, both of Rotherhithe New Road, in the County of Surrey, Paraffine Refiners, for an invention for—"Improvements in the treatment of paraffine."
Letters Patent sealed.
- NEWTON.**
24th February 1868.
- 611. WILLIAM EDWARD NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of illuminating gas."—*A communication to him from abroad by Charles Musier Taintor, of the City and State of New York, United States of America.*
Letters Patent sealed.
- NICHOLLS.**
24th February 1868.
- 612. RICHARD NICHOLLS**, of Aldermanbury, in the City of London, Fancy Trimming Manufacturer, for an invention for—"A new or improved combined material or fabric to be applied to the manufacture of bags, reticules, writing cases, wristbands, cuffs, collars, belts and various other articles."
Letters Patent sealed.
- DRACOPULO.**
24th February 1868.
- 613. GEORGE SINEFI DRACOPULO**, of Cardiff, in the County of Glamorgan, for an invention for—"A new apparatus for raising or forcing water, applicable to ships, mines and other purposes."
Provisional protection only.
- LAKE.**
24th February 1868.
- 614. WILLIAM ROBERT LAKE**, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in steam-boilers and in feed-water apparatus for the same."—*A communication to him from abroad by Robert Wilde, of Philadelphia, Pennsylvania, United States of America.*
Provisional protection not allowed.
- BODMER.
BODMER.
BODMER.**
24th February 1868.
- 615. RUDOLPH BODMER**, and **JOHN JAMES BODMER**, both of Newport, in the County of Monmouth, and **LOUIS RUDOLPH BODMER**, of 2, Lansdowne Road, Notting Hill, in the County of Middlesex, for an invention for—"Improvements in the manufacture of artificial stone and in machinery to be employed therein."
Letters Patent sealed.

LAKE. 24th February 1868.	616. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in artificial breasts."— <i>A communication to him from abroad by Hosea Wait Libbey, of Cleveland, Ohio, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
DEFRIES. 25th February 1868.	617. HENRY DEFRIES, of the firm of Jonas Defries and Sons, of Houndsditch, in the City of London, Manufacturer, for an invention for—"Improvements in the manufacture of opal or glass lamp and gas globes, chimneys and shades of every description." <i>Provisional protection only.</i>
VEVERS. 25th February 1868.	618. JOSEPH VEVERS, of Leeds, in the County of York, Machinist, for an invention for—"Improvements in spinning and twisting machinery."— <i>A communication to him from abroad by Joseph Nussey, of Pattison, New Jersey, United States of America.</i> <i>Provisional protection only.</i>
LE ROY. 25th February 1868.	619. FERDINAND LE ROY, of the Commercial Road, in the County of Middlesex, Manufacturer, for an invention for—"An improved non-conducting composition for preventing the radiation or transmission of heat or cold, and an improved method of applying the same." <i>Provisional protection only.</i>
ELCE. 25th February 1868.	620. JOHN ELCE, of the City of Manchester, Machine Maker, for an invention for—"Improvements in lubricating the spindles of machines for spinning and doubling." <i>Letters Patent sealed.</i>
HUGHES. 25th February 1868.	621. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of hoop skirts."— <i>A communication to him from abroad by Thomas Burlock De Forest, of Birmingham, in the County of New Haven and State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
HUTCHINSON. 25th February 1868.	622. EDWARD HUTCHINSON, of the firm of Pease, Hutchinson and Company, of Darlington, in the County of Durham, Iron Manufacturers, for an invention for—"Improvements in the construction of multiple drilling machines." <i>Letters Patent sealed.</i>
HUTCHINSON. 25th February 1868.	623. EDWARD HUTCHINSON, of the firm of Pease, Hutchinson and Company, of Darlington, in the County of Durham, Iron Manufacturers, for an invention for—"Improvements in the construction of planing machines." <i>Letters Patent sealed.</i>
PIGOTT. 25th February 1868.	624. GEORGE WEST ROYSTON PIGOTT, of Halifax, in the County of York, for an invention for—"Improvements in coated or covered wire." <i>Letters Patent sealed.</i>
DOBBS. DOBBS. 25th February 1868.	625. JOHN DOBBS, and WILLIAM DOBBS, of the City of Manchester, in the County of Lancaster, Hatters, for an invention for—"Improvements in the ventilation of hats and similar coverings for the head." <i>Provisional protection only.</i>
HARRISON. HARRISON. 25th February 1868.	626. JOSEPH JOHN HARRISON, and EDWARD HARRISON, of Manchester, in the County of Lancaster, Engineers, for an invention for—"Certain improvements in the healds of looms for weaving." <i>Provisional protection only.</i>
DAVIES. ZAHN. 25th February 1868.	627. JOSEPH CRAWFORD DAVIES, and EDWARD ZAHN, both of No. 263, Kingsland Road, in the City of London, Manufacturers, for an invention for—"Improvements in muffs." <i>Provisional protection only.</i>
REMY. 25th February 1868.	628. FERDINAND REMY, of Paris, Rue du Faubourg St. Martin, No. 68, Manufacturer, for an invention for—"An improved steel seat or chair." <i>Letters Patent sealed.</i>
MCLEOD. 25th February 1868.	629. JOHN MCLEOD, of Renton, in the County of Dumbarton, North Britain, Engineer, for an invention for—"Improvements in apparatus for washing yarns." <i>Letters Patent sealed.</i>
KENT. 25th February 1868.	630. JOHN THOMAS KENT, of Sheffield, in the County of York, Mattress Manufacturer, for an invention for—"Improvements in the manufacture of mattresses." <i>Provisional protection NOT allowed.</i>
OLLIVIER. 25th February 1868.	631. OSCAR OLLIVIER, of Paris, in the Empire of France, at present residing at Panton Street, Haymarket, in the County of Middlesex, for an invention for—"Improved apparatus and means or method for exhibiting advertisements and affording publicity thereto." <i>Provisional protection only.</i>

JAUQUET. 25th February 1868.	632. JOHN LEWIS JAUQUET, of Vincent Square, Pimlico, in the County of Middlesex, Sculptor, for an invention for—"Improvements in heels for boots and shoes."— <i>A communication to him from abroad by George Beatty, of Beamsville, Lincoln County, Province of Ontario, Canada, Shoemaker. Provisional protection only.</i>
PIEPER. 25th February 1868.	633. CARL PIEPER, of Dresden, in the Kingdom of Saxony, at present residing at 39, Finsbury Square, in the County of Middlesex, for an invention for—"Improvements in machinery for grinding or preparing wood for the manufacture of paper."— <i>A communication to him from abroad by Carl Gotthelf Fischer, a person resident at Dresden, in the Kingdom of Saxony. Provisional protection only.</i>
BOUSFIELD. 25th February 1868.	634. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus for raising and forcing water and for feeding steam-boilers."— <i>A communication to him from abroad by Alexander Friedman, a person resident at Vienna, in the Empire of Austria. Letters Patent sealed.</i>
PIEPER. 25th February 1868.	635. CARL PIEPER, of Dresden, in the Kingdom of Saxony, at present resident at 39, Finsbury Square, in the County of Middlesex, for an invention for—"Improvements in reaping-machines." <i>Provisional protection only.</i>
KERR. 25th February 1868.	636. ROBERT KERR, of Paisley, in the County of Renfrew, North Britain, Manufacturer, for an invention for—"Improvements in the method of and apparatus for heating conservatories and other similar houses or structures." <i>Provisional protection only.</i>
BIRCHALL. 25th February 1868.	637. ARTHUR MILSOM BIRCHALL, of Preston, in the County of Lancaster, Tobacco Manufacturer, for an invention for—"Improvements in the manufacture of twist tobacco and the making of the same into rolls, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
RAMSEY. COOKE. 25th February 1868.	638. ROBERT RAMSEY, of Upsal Pit, near Eston, in the County of York, Engine Brakesman, and JOHN COOKE, of Darlington, in the County of Durham, Mining Engineer, for an invention for—"Improvements in signal indicators applicable to mining and other purposes." <i>Letters Patent sealed.</i>
MACKROW. 26th February 1868.	639. GEORGE COLBY MACKROW, of the Thames Iron Works, Orchard Yard, Blackwall, in the County of Middlesex, Naval Architect, for an invention for—"Improvements in the construction of batteries for ships of war." <i>Provisional protection only.</i>
LYTHGOE. THORNTON. 26th February 1868.	640. THOMAS LYTHGOE, and HARRY THORNTON, both of the City of Manchester, Joiners and Builders, for an invention for—"Improvements in the construction of walls, floors and roofs for buildings in which concrete and iron are used, and in apparatus employed therein." <i>Letters Patent sealed.</i>
POCOCK. 26th February 1868.	641. LEWIS POCOCK the younger, of Gordon Square, in the County of Middlesex, for an invention for—"An improvement in bookbinding." <i>Provisional protection only.</i>
HILL. 26th February 1868.	642. THOMAS HILL, of Merrylee, Cathcart, in the County of Renfrew, North Britain, for an invention for—"Improvements in bearings for axles and shafts."— <i>A communication to him from abroad by John T. Buen, of New York, United States of America. Letters Patent sealed.</i>
LAIDLAW. THOMSON. 26th February 1868.	643. ROBERT LAIDLAW, and JOHN THOMSON, both of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in apparatus for exhausting gas, for blowing air, for pumping or forcing liquids, and for measuring liquids." <i>Letters Patent sealed.</i>
WALKER. 26th February 1868.	644. EDWARD ROSS WALKER, of Fenton, Stoke-upon-Trent, in the County of Stafford, Engineer, for an invention for—"Improvements in transmitting motive-power to potters' machinery." <i>Provisional protection only.</i>
GEDGE. 26th February 1868.	645. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine intended to divide, break or crush all substances capable of being triturated, more especially bones and horny substances of every kind, for converting them into manure."— <i>A communication to him from abroad by Eugène Anduze, of 15, Passage des Petites Ecuries, Paris, France, Manufacturer. Letters Patent sealed.</i>

PERRETT. 26th February 1868.	646. JOHN PERRETT, of Eagle House, Herne Hill, Dulwich, in the County of Surrey, for an invention for—"Improvements in bottles and apparatus for feeding infants." <i>Letters Patent sealed.</i>
NEWTON. 26th February 1868.	647. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in electro-magnetic apparatus."— <i>A communication to him from abroad by Laban Clarke Stuart, of Mamaroneck, in the State of New York and United States of America.</i> <i>Letters Patent sealed.</i>
LAMBE. STERRY. FORDRED. 26th February 1868.	648. FREDERICK LAMBE, and ARTHUR CHARLES STERRY, both of Rotherhithe New Road, in the County of Surrey, Paraffine Refiners, and JOHN FORDRED, of Blackheath, in the County of Kent, Chemist, for an invention for—"Improvements in purifying hydrocarbon oils." <i>Letters Patent sealed.</i>
MITTONNETTE. 26th February 1868.	649. FREDERICK MITTONNETTE, of Deepfields, in the County of Stafford, Engineer, for an invention for—"Improvements in furnace doors." <i>Provisional protection only.</i>
NEWTON. 26th February 1868.	650. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"A new and improved washing-machine."— <i>A communication to him from abroad by James Turner, Robert Turner, Archibald Turner, Malcolm Clarke Turner, Thomas Clarke Turner and George Moscript Turner, all of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
DOWELL. DOWELL. 26th February 1868.	651. WILLIAM DOWELL, of Rhyl, in the County of Flint, Whitesmith, and JAMES DOWELL, of Penmaenmawr, in the County of Carnarvon, Ironmonger, for an invention for—"Improvements in locks." <i>Provisional protection only.</i>
GAUNT. GAUNT. 26th February 1868.	652. REUBEN GAUNT, and JOHN WILLIAM GAUNT, of Springfield Mill, Farsley, near Leeds, in the County of York, for an invention for—"Improvements in spinning and twisting machinery." <i>Provisional protection only.</i>
WIRTH. 27th February 1868.	653. FRANCIS WIRTH, of the firm of Wirth and Company, Patent Agency in Frankfort o/m (Germany), for an invention for—"Improvements in pedals and damping apparatus for pianofortes."— <i>A communication from Edward Zachariae, a person resident at Löhberg, in the Kingdom of Prussia.</i> <i>Complete specification; Letters Patent sealed.</i>
DUMAS. 27th February 1868.	654. FRANÇOIS DUMAS, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Proprietor, for an invention for—"Improvements in bathing dresses for the treatment of skin and other diseases." <i>Letters Patent sealed.</i>
COOPER. 27th February 1868.	655. JOSEPH ROCK COOPER, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"An improvement or improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
HOPE. 27th February 1868.	656. RALPH ALFRED HOPE, of Brelade House, Saint Clement's, in the Island of Jersey, Civil Engineer, for an invention for—"A machine for adding sweetening and other ingredients to aerated mineral and other beverages." <i>Letters Patent sealed.</i>
BLOCKSAGE. 27th February 1868.	657. THOMAS BLOCKSAGE, of Dukinfield, in the County of Chester, Brick Manufacturer, for an invention for—"Certain improvements in the construction of boilers or steam generators." <i>Letters Patent sealed.</i>
WALKER. WALKER. 27th February 1868.	658. CHARLES CLEMENT WALKER, and WILLIAM THOMAS WALKER, of Midland Iron Works, Donnington, near Newport, Shropshire, Engineers, for an invention for—"Improvements in centre valves for gas purifiers and other apparatus." <i>Complete specification; Letters Patent sealed.</i>
GREEN. 27th February 1868.	659. ROBERT ELLIS GREEN, of Church, near Accrington, in the County of Lancaster, for an invention for—"Improvements in the preparation of cotton yarns or fabrics intended to be dyed with madder or a preparation of madder." <i>Provisional protection only.</i>
BOYCE. 27th February 1868.	660. LAWSON BOYCE, of the City of Manchester, in the County of Lancaster, Venetian Blind Manufacturer, for an invention for—"An improved mode of raising and lowering Venetian blinds." <i>Provisional protection only.</i>
WHITELEY. 27th February 1868.	661. JOE BOOTH WHITELEY, of the Prospect Iron Works, Lockwood, near Huddersfield, in the County of York, for an invention for—"Improvements in machinery for stretching and drying or finishing woven fabrics." <i>Provisional protection only.</i>

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| <p>WELDON.
27th February 1868.</p> <p>ADAMS.
BARRETT.
27th February 1868.</p> <p>NEWTON.
27th February 1868.</p> <p>NEWTON.
27th February 1868.</p> <p>PETRIE.
27th February 1868.</p> <p>BASS.
27th February 1868.</p> <p>BULLIVANT.
27th February 1868.</p> <p>ELDRIDGE.
LOE.
27th February 1868.</p> <p>HART.
27th February 1868.</p> <p>CHRISTIE.
28th February 1868.</p> <p>MILLS.
28th February 1868.</p> <p>LIVESEY.
28th February 1868.</p> <p>STIDDER.
28th February 1868.</p> <p>STOCKER.
28th February 1868.</p> | <p>662. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"Improvements in the regeneration from chlorine residues of oxides of manganese, suitable for use again in the manufacture of chlorine, and capable of being applied also to other purposes." <i>Letters Patent sealed.</i></p> <p>663. JOHN ADAMS, TURNER, and HENRY BARRETT, Soda Water Manufacturer, both of Saint Helier, Jersey, one of the Channel Islands, for an invention for—"An improved stopper for bottles." <i>Letters Patent sealed.</i></p> <p>664. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction or building of boats or vessels."—<i>A communication to him from abroad by Elisha Waters, George Thacher Balch, Clarence Weed Waters, and George Arthur Waters, all of Troy, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>665. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in pens and pen and pencil holders."—<i>A communication to him from abroad by John Thomas Price, of Arrow Rock, in the State of Missouri, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>666. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for washing wool and other fibrous materials." <i>Provisional protection NOT allowed.</i></p> <p>667. JOHN HOLMES BASS, of No. 6, Featherstone Street, in the City of London, Machine Cork Manufacturer, for an invention for—"Improvements in double cans or vessels to contain liquids or substances which it is desired to protect from the influence of external temperature." <i>Letters Patent sealed.</i></p> <p>668. WILLIAM MUNTON BULLIVANT, of Fenchurch Street, in the City of London, Wire Rope Manufacturer, for an invention for—"An improved composition for preventing the fouling of iron and other ships' bottoms, and for preserving metal and other surfaces generally." <i>Provisional protection only.</i></p> <p>669. GEORGE ELDRIDGE, and WILLIAM CLARK LOE, both of Grange Road, Dalston, in the County of Middlesex, for an invention for—"Improvements in the means of closing or stoppering bottles and vessels for containing aerated and other liquids or fluids." <i>Provisional protection only.</i></p> <p>670. GEORGE HART, of Wakefield, in the County of York, Engineer, for an invention for—"An improved mode or method of and apparatus for effecting the consumption or prevention of smoke in steam-boiler and other like furnaces." <i>Provisional protection only.</i></p> <p>671. JOHN CHRISTIE, of the Borough and County of Newcastle-upon-Tyne, Stationer, for an invention for—"An improved lithographic printing machine, by means of an endless tympan and self-acting gripping scraper, to be worked by hand, steam or other power." <i>Provisional protection only.</i></p> <p>672. RICHARD MILLS, of Bury, in the County of Lancaster, Machinist, for an invention for—"Improvements in machines for washing, wringing and mangling textile fabrics." <i>Provisional protection only.</i></p> <p>673. JAMES LIVESEY, of 9, Victoria Chambers, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in coupling, driving and retarding locomotive carriage or other wheels on railways, or for other purposes." <i>Letters Patent sealed.</i></p> <p>674. JAMES GEORGE STIDDER, of Hanover Street, Long Acre, in the County of Middlesex, Engineer, for an invention for—"Improvements in waterclosets, lavatories and urinals, and in regulating supplies for same by water valves." <i>Complete specification: Letters Patent sealed.</i></p> <p>675. ALEXANDER SOUTHWOOD STOCKER, of Lamb's Conduit Works, Artillery Street, Horsleydown, in the County of Surrey, for an invention for—"Improvements in machinery or apparatus for the manufacture of caps or covers applicable to bottles and other vessels, and in the construction of such or other caps or covers." <i>Letters Patent sealed.</i></p> |
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HOWARD. 28th February 1868.	676. RICHARD HOWARD, of the Town and County of the Town of Southampton, Corn Factor, for an invention for—"Improvements applicable to taps and cocks for various useful purposes." <i>Letters Patent sealed.</i>
BROOMAN. 28th February 1868.	677. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of moulds for moulding glass or like material."— <i>A communication to him from abroad by Jean Baptiste Lhote, of Paris, France.</i> <i>Letters Patent sealed.</i>
LEACOCK. 28th February 1868.	678. JAMES LEACOCK, of Castlewellan, in the County of Down, Ireland, for an invention for—"Improvements in paving for streets, roads and ways." <i>Letters Patent sealed.</i>
ROBINSON. 28th February 1868.	679. JOHN ROBINSON, of Greenfield, in the County of York, for an invention for—"Improvements in the method of cleaning and preventing deposits accumulating upon the surfaces of feed-water heating apparatus employed in boilers for generating steam, and in the apparatus connected therewith." <i>Letters Patent sealed.</i>
DUNKERLEY. 28th February 1868.	680. JOSEPH DUNKERLEY, of Denton, in the County of Lancaster, Hat Manufacturer, for an invention for—"Certain improvements in the method of manufacturing hats or coverings for the head, and in apparatus employed therefor." <i>Letters Patent sealed.</i>
THOMAS. 28th February 1868.	681. GEORGE THOMAS, of Oldham, in the County of Lancaster, Mechanic, for an invention for—"Certain improvements in sewing-machines." <i>Provisional protection only.</i>
WARREN. 28th February 1868.	682. THOMAS WARREN, of Glasgow, in the County of Lanark, North Britain, Glass Manufacturer, for an invention for—"Improvements in glass furnaces." <i>Provisional protection only.</i>
LOW. 28th February 1868.	683. JAMES FAIRWEATHER LOW, of Monifieth, in the County of Forfar, North Britain, Machine Maker, for an invention for—"Improvements in apparatus for preparing jute and similar fibrous materials." <i>Letters Patent sealed.</i>
TROTMAN. 28th February 1868.	684. THOMAS TROTMAN, of High Street, Camden Town, in the County of Middlesex, Carriage Builder, for an invention for—"Improvements in the construction of doubling-up or folding carriages and chairs." <i>Letters Patent sealed.</i>
NEWTON. 28th February 1868.	685. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for drying and finishing felted goods and fabrics."— <i>A communication to him from abroad by John Hill Prentice, of Brooklyn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
SANDERSON. 28th February 1868.	686. CHARLES SANDERSON, of Worksop, in the County of Nottingham, Steel Manufacturer, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
WHILLOCK. HARFORD. 28th February 1868.	687. THOMAS SMITH WHILLOCK, of Aston, near Birmingham, in the County of Warwick, Ale and Porter Merchant, and HENRY HARFORD, of Birmingham, aforesaid, Carpenter, for an invention for—"Improvements in fastenings for window sashes." <i>Provisional protection only.</i>
GJERS. 28th February 1868.	688. JOHN GJERS, of Middlesbrough, in the North Riding of the County of York, Engineer, for an invention for—"Improvements in the manufacture of cast steel and homogeneous iron, and in furnaces applicable thereto." <i>Letters Patent sealed.</i>
COCHRANE. 29th February 1868.	689. CHARLES COCHRANE, of Woodside Iron Works, near Dudley, in the County of Worcester, for an invention for—"A new or improved appliance for hot blast water tuyeres." <i>Provisional protection only.</i>
BAKER. 29th February 1868.	690. EDWIN BAKER, of Charles Street, Mortimer Street, in the County of Middlesex, for an invention for—"Improvements in the formation and application of screw bolts." <i>Letters Patent sealed.</i>
WILDER. 29th February 1868.	691. HENRY BEAUFOY WILDER, of Sulham House, Sulham, Reading, in the County of Berks, for an invention for—"Improvements in magnetic electric telegraphic apparatus for signs, letters or sentences, with bell and self-acting mechanical switch." <i>Letters Patent sealed; specification filed by order.</i>

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| <p>COLLINS.
29th February 1868.</p> <p>DÉTOUCHE.
29th February 1868.</p> <p>MCCARTER.
29th February 1868.</p> <p>LINDSLEY.
29th February 1868.</p> <p>SMITH.
GIDDINGS.
RANK.
29th February 1868.</p> <p>HILL.
29th February 1868.</p> <p>ZWEZ.
29th February 1868.</p> <p>NORTON.
29th February 1868.</p> <p>BARFORD.
PERKINS.
29th February 1868.</p> <p>SOLOMONS.
29th February 1868.</p> <p>SCHMOLLE.
29th February 1868.</p> <p>ARMSTRONG.
BROWNE.
2nd March 1868.</p> <p>WILSON.
2nd March 1868.</p> <p>ROMAN.
2nd March 1868.</p> <p>ROLLO.
2nd March 1868.</p> <p>RAWSTHORN.
2nd March 1868.</p> | <p>692. JOHN COLLINS, of No. 9, Dawson Street, in the City of Dublin, for an invention for—"Improved apparatus for filling cartridge cases for breech-loading guns."
<i>Provisional protection only.</i></p> <p>693. LOUIS CONSTANTIN DÉTOUCHE, of Nos. 222, 228, and 230, Rue Saint Martin, in the City of Paris, in the Empire of France, Clockmaker, for an invention for—"Improvements in apparatus for registering the number of passengers travelling by public conveyances and the amount of fares paid."
<i>Provisional protection only.</i></p> <p>694. JOHN WALKER MCCARTER, of Londonderry, in the County of Londonderry, in Ireland, for an invention for—"Improvements in the means or apparatus for heating the feed water of steam-engine boilers."
<i>Provisional protection NOT allowed.</i></p> <p>695. GEORGE LINDSLEY, of Swindon, in the County of Wilts, for an invention for—"Improvements in obtaining and applying motive-power for propelling carriages and for other purposes, and in apparatus employed therein."
<i>Letters Patent sealed.</i></p> <p>696. WILLIAM SMITH, JOHN GIDDINGS, and JAMES RANK, all of Hull, in the County of York, for an invention for—"A new or improved fire-escape."
<i>Provisional protection only.</i></p> <p>697. ALSAGER HAY HILL, of the Inner Temple, in the City of London, Barrister-at-Law, for an invention for—"Improvements in luggage labels or pads."
<i>Provisional protection only.</i></p> <p>698. RUDOLF ZWEZ, of Harrington Street, Hampstead Road, in the County of Middlesex, for an invention for—"A new or improved can for containing petroleum, paraffin, hydrocarbons and such like oils or spirits, and other liquids."
<i>Provisional protection only.</i></p> <p>699. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, for an invention for—"Improvements in sinking or forming wells and in apparatus to be used for this and similar purposes."
<i>Letters Patent sealed.</i></p> <p>700. WILLIAM BARFORD, of Peterboro', in the County of Northampton, and THOMAS PERKINS, of Hitchin, in the County of Hertford, for an invention for—"Improvements in apparatus for raising and stacking straw and other agricultural produce."
<i>Letters Patent sealed.</i></p> <p>701. BENJAMIN SOLOMONS, of Albemarle Street, Piccadilly, in the County of Middlesex, Optician, for an invention for—"Improvements in telescopes."
<i>Provisional protection only.</i></p> <p>702. LÉONCE BERNARD SCHMOLLE, of Aldermanbury, in the City of London, Manufacturer, for an invention for—"Improvements in skeleton skirts."
<i>Letters Patent sealed.</i></p> <p>703. WILLIAM JOHN ARMSTRONG, and CHARLES BROWNE, both of No. 1, Burton Terrace, Brixton, in the County of Surrey, Master Mariners, for an invention for—"Improvements in anchors."
<i>Provisional protection only.</i></p> <p>704. HENRY WILSON, of Stockton-upon-Tees, in the County of Durham, for an invention for—"Improvements in meters, valves and cocks for measuring, regulating and discharging liquids, gases or fluids."
<i>Provisional protection only.</i></p> <p>705. LOUIS ROMAN, of Paris, France, Gentleman, for an invention for—"Improvements in apparatus for obtaining motive-power from rivers or streams of water, and for facilitating boats ascending and descending rivers or streams."
<i>Provisional protection only.</i></p> <p>706. WILLIAM ROLLO, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in the arrangement and construction of water-closets."
<i>Provisional protection only.</i></p> <p>707. JOHN RAWSTHORN, of Preston, in the County of Lancaster, Corn Miller, for an invention for—"Improvements in machinery for dressing millstones."
<i>Provisional protection only.</i></p> |
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NEWTON. 2nd March 1868.	708. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for burning hydrocarbons for heating purposes."— <i>A communication to him from abroad by Charles Lawrence Perkins, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
NEIBER. nd March 1868.	709. FERDINAND NEIBER, of Vienna, in the Austrian Empire, Manufacturer, for an invention for—"Improvements in fastenings for glove boxes, handkerchief boxes, purses, cigar cases, necessaires, writing cases and other articles." <i>Provisional protection only.</i>
HORSLEY. 2nd March 1868.	710. THOMAS HORSLEY, of 10, Coney Street, York, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
SHARROCK. 2nd March 1868.	711. SAMUEL SHARROCK, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction of piles." <i>Letters Patent sealed.</i>
SMITH. 2nd March 1868.	712. ALPHEUS SMITH, of Litchurch, in the County of Derby, for an invention for—"Improvements in the construction of railway wagon axle boxes." <i>Provisional protection only.</i>
USHER. 3rd March 1868.	713. ALFRED AUSTIN USHER, of Compton Road, Canonbury, in the County of Middlesex, for an invention for—"Improvements in respirators." <i>Provisional protection only.</i>
GEDGE. 3rd March 1868.	714. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A mineral paper-hanging intended to preserve apartments from dampness."— <i>A communication to him from abroad by Victorin Tybur, of No. 15, Passage des Petites Ecuries, Paris, France, House Painter.</i> <i>Letters Patent sealed.</i>
COCHRANE. 3rd March 1868.	715. CHARLES COCHRANE, of Woodside Iron Works, near Dudley, in the County of Worcester, for an invention for—"Improvements in valves or dampers for pipes, passages or flues serving to conduct gases at high temperatures." <i>Provisional protection only.</i>
REYNOLDSON. 3rd March 1868.	716. HERBERT PINKNEY REYNOLDSON, of Twisters Alley, Bunhill Row, in the County of Middlesex, Bookbinder, for an invention for—"Improvements in portfolios." <i>Provisional protection only.</i>
MOSS. 3rd March 1868.	717. FREDERICK MOSS, of Eccles, in the County of Lancaster, for an invention for—"Improvements in apparatus for registering passengers travelling by public vehicles, and in the construction of certain vehicles to be used in combination therewith." <i>Provisional protection only.</i>
BARKER. 3rd March 1868.	718. JOHN BARKER, of Todmorden, in the County of York, for an invention for—"Certain improvements in the method of consuming smoke from the fuel used in furnaces, and in the method of supplying fuel to furnaces, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
BISSETT. 3rd March 1868.	719. THOMAS BISSETT, of Marlee, Blairgowrie, in the County of Perth, North Britain, Implement Maker, for an invention for—"Improvements in reaping and mowing machines." <i>Provisional protection only.</i>
THOMPSON. GALL. 3rd March 1868.	720. WILLIAM BRUCE THOMPSON, and WILLIAM GALL, both of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in machinery or apparatus for winding yarns or threads." <i>Letters Patent sealed.</i>
HASWELL. BROWN. 3rd March 1868.	721. JOHN ARMSTRONG HASWELL, of the Borough of Gateshead, in the County of Durham, Engineer, and GEORGE BROWN, of the City of York, Carriage Builder, for an invention for—"Improvements in signal apparatus to be used in railway passenger trains." <i>Letters Patent sealed.</i>
MANLY. 3rd March 1868.	722. JOHN MANLY the younger, of Birmingham, in the County of Warwick, Brassfounder, for an invention for—"Improvements in those kinds of nails which are used upon furniture, saddlery and trunks, and for other useful and ornamental purposes." <i>Letters Patent sealed.</i>
SPENCE. 3rd March 1868.	723. WILLIAM SPENCE, of 8, Quality Court, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machines for making nails."— <i>A communication to him from abroad by Joseph Bonneau, of Paris, in the Empire of France, Civil Engineer.</i> <i>Letters Patent sealed.</i>

ZOX.
3rd March 1868.

WHITTLE.
3rd March 1868.

DEWAR.
3rd March 1868.

ANDERSON.
3rd March 1868.

BURTON.
LAWRENCE.
3rd March 1868.

KENNEDY.
3rd March 1868.

BELL.
HIGGINS.
3rd March 1868.

JOHNSON.
3rd March 1868.

HARRISON.
HARRISON.
3rd March 1868.

SLEIGH.
3rd March 1868.

LEE.
3rd March 1868.

NASAROW.
3rd March 1868.

CADBY.
4th March 1868.

JEFFERIES.
4th March 1868.

SMITH.
WOOD.
DON.
4th March 1868.

724. HENRY ZOX, of Nelson Square, Blackfriars, in the County of Surrey, Hat and Cap Manufacturer, for an invention for—"Improvements in the manufacture of hats and caps and other coverings for the head." *Provisional protection only.*

725. WILLIAM WHITTLE, of Harborne, in the County of Stafford, Mechanical Engineer, for an invention for—"Improvements in steam-engines and steam-boilers." *Letters Patent sealed.*

726. JAMES DEWAR, Doctor of Medicine, residing in Kirkcaldy, in the County of Fife, North Britain, for an invention for—"Improvements in preserving blood for use as food." *Letters Patent sealed.*

727. GEORGE ANDERSON, of Northumberland Street, Strand, in the County of Middlesex, Gas Engineer, for an invention for—"Improvements in apparatus for moulding and compressing substances for artificial fuel." *Letters Patent sealed.*

728. EPHRAIM BURTON, of Clapton, in the County of Middlesex, and JOHN LAWRENCE, of Uckfield, in the County of Sussex, Engineers, for an invention for—"Improvements in machinery for screening and sifting coals, cinders and other matters." *Letters Patent sealed.*

729. HUGH KENNEDY, of New Orleans, Louisiana, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"An improved machine for cutting files." *Letters Patent sealed.*

730. SAMUEL ALEXANDER BELL, of Bow Lane, in the City of London, and GEORGE HIGGONS HIGGINS, of Fairfield Road, Bow, in the County of Middlesex, Machinist, for an invention for—"Improvements in the manufacture of match boxes and in apparatus to be used therein." *Letters Patent sealed.*

731. THOMAS JOHNSON, of Runcorn, in the County of Chester, for an invention for—"Improvements in treating ores to obtain copper therefrom, and in evaporating brine." *Letters Patent sealed.*

732. JAMES WILLIAM HARRISON, and CECIL REEVES HARRISON, of 156, Hampstead Road, in the County of Middlesex, for an invention for—"Improvements in parallel rulers." *Provisional protection only.*

733. BURROWES WILLCOCKS ARTHUR SLEIGH, of Langham Place, Portland Place, in the County of Middlesex, a retired Lieutenant-Colonel in Her Majesty's Colonial Service, and formerly of the 77th Regiment of Foot, for an invention for—"Improvements in hydrostatic engines." *Letters Patent sealed.*

734. JAMES ABRAHAM LEE, of the Severn Engineering Works, Lydney, Gloucestershire, for an invention for—"Improvements in machinery for cutting and reducing wood, adapted especially to prepare it for the preparation of paper fibre therefrom." *Letters Patent sealed.*

735. IWAN WASSILLJEWITSCH NASAROW, of Finsbury Square, in the County of Middlesex, for an invention for—"Improvements in the manufacture of iron and steel."—*A communication to him from abroad by the inventor, Grigory Wassilljewitsch Nasarow, of Gagarinskaja Pristau, St. Petersburg.* *Provisional protection only.*

736. FREDERICK CADBY, of Birmingham, in the County of Warwick, Cut and Engraved Glass Manufacturer, for an invention for—"Improvements in the construction of cruet and egg frames or stands." *Provisional protection only.*

737. SAMUEL JEFFERIES, of Dudbridge Hill, Stroud, in the County of Gloucester, Engineer, for an invention for—"Improvements in and apparatus for securing, adjusting and arranging cords, ropes and chains employed for raising and lowering venetian blinds, curtains, windows, shutters and other analogous purposes." *Letters Patent sealed.*

738. THOMAS SMITH, Millwright, Tenter Lane, Leeds, THOMAS WOOD, Miller, Birstwith, both in the County of York, and THOMAS DON, Millwright, Saint John's, Red Hill, in the County of Surrey, for an invention for—"Improved machinery and appliances for preparing, cleaning, screening, decorticating and grinding wheat and other grain, and separating and collecting the several products thereof." *Provisional protection NOT allowed.*

COLE. CARTER. 4th March 1868.	739. ARTHUR COLE, of Erith, in the County of Kent, Merchant's Clerk, and JONATHAN CARTER, of Bexley Heath, in the County of Kent, Gentleman, for an invention for—"Improvements in and applicable to lamps for burning petroleum, hydrocarbon and other oils." <i>Provisional protection only.</i>
CLIFTON. 4th March 1868.	740. EDWARD CLIFTON, of Bradford, in the County of York, Ironmonger, for an invention for—"Improvements in adjustable door handles." <i>Letters Patent sealed.</i>
LEWTHWAITE. 4th March 1868.	741. JOHN LEWTHWAITE, of Woburn Place, in the County of Middlesex, for an invention for—"Improvements in treating the material known as 'parkesine,' and in applying it to various useful and ornamental purposes." <i>Letters Patent sealed.</i>
SMITH. 4th March 1868.	742. HUBERT ELLIS SMITH, of Hereford Iron Works, in the Town and County of Hereford, Engineer, for an invention for—"Improvements in the hauling or winding gear of engines used for agricultural and other purposes." <i>Provisional protection only.</i>
CLARK. 4th March 1868.	743. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in paving roads, streets or ways."— <i>A communication to him from abroad by Faure Biénez, Merchant, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
STUART. 4th March 1868.	744. WILLIAM KNOX STUART, of Glasgow, in the County of Lanark, North Britain, Chemist, for an invention for—"Improvements in arrangements and apparatus for dealing with and utilising sewage." <i>Letters Patent sealed.</i>
KINCAID. 4th March 1868.	745. JOHN GEORGE KINCAID, of Greenock, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in twin-screw propelling apparatus." <i>Letters Patent sealed.</i>
MITCHELL. MITCHELL. 4th March 1868.	746. WILLIAM MITCHELL, and THOMAS MITCHELL, both of Stacksteads, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of felt carpeting and in apparatus to be employed therein." <i>Letters Patent sealed.</i>
DAVIES. 4th March 1868.	747. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of gas for lighting and heating."— <i>A communication to him from abroad by Louis Charles Emile Vial, of Paris, France.</i> <i>Provisional protection only.</i>
SCHOLEFIELD. 4th March 1868.	748. CHARLES SCHOLEFIELD, of Beverley, in the County of York, Engineer, for an invention for—"An improved method of hanging or suspending window sashes." <i>Provisional protection only.</i>
ASKEW. 4th March 1868.	749. JOHN ASKEW, of 27, Charles Street, Hampstead Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of a hook and eye for fastening together the ends of window-blind cords and cords for hanging pictures." <i>Provisional protection only.</i>
BRIGHAM. BICKERTON. 4th March 1868.	750. JOHN BRIGHAM, and RICHARD BICKERTON, both of the Town and County of Berwick-upon-Tweed, Agricultural Implement Makers, for an invention for—"Improvements in reaping and mowing machines or harvesting machines." <i>Letters Patent sealed.</i>
COLE. MAXFIELD. 4th March 1868.	751. ISAAC COLE, of Birmingham, in the County of Warwick, Manufacturer, and ARTHUR MAXFIELD, of the same place, Machinist, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
ROCKLEY. 4th March 1868.	752. CHARLES RUSSELL ROCKLEY, of 46, Cannon Street, St. Paul's, in the City of London, for an invention for—"Improvements in pipes for smoking tobacco." <i>Letters Patent sealed.</i>
SCHINZ. 4th March 1868.	753. CHARLES SCHINZ, of No. 27, Faubourg de Saverne, Strasbourg, in the Empire of France, Engineer, for an invention for—"A process for the partial elimination of the nitrogen from the products of combustion, and furnaces and apparatus connected therewith." <i>Letters Patent sealed.</i>
NEWTON. 4th March 1868.	754. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for measuring spirituous liquors."— <i>A communication to him from abroad by Robert Creuzbaur, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>

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| <p>BAKER.
5th March 1868.</p> <p>STEVENS.
5th March 1868.</p> <p>HAMMERSLEY.
5th March 1868.</p> <p>DUFRENÉ.
5th March 1868.</p> <p>HUNT.
5th March 1868.</p> <p>LAKE.
5th March 1868.</p> <p>GEDGE.
5th March 1868.</p> <p>WESTRAY.
FORSTER.
5th March 1868.</p> <p>HARTSHORN.
5th March 1868.</p> <p>CLARK.
5th March 1868.</p> <p>GOULD.
5th March 1868.</p> <p>FELL.
5th March 1868.</p> <p>DRAKE.
5th March 1868.</p> <p>CONYBEARE.
5th March 1868.</p> <p>NEWTON.
5th March 1868.</p> | <p>755. FREDERIC THOMAS BAKER, of Fleet Street, in the City of London, Gun-maker, for an invention for—"Improvements in the manufacture of cartridge cases."
<i>Letters Patent sealed.</i></p> <p>756. JAMES JOHN FREDERICK STEVENS, of Darlington Works, Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction of railway and other signal apparatus."
<i>Letters Patent sealed.</i></p> <p>757. JOHN HAMMERSLEY, of Spencer Street, Clerkenwell, in the County of Middlesex, Chronometer and Watch Manufacturer, for an invention for—"Improvements in the construction of marine chronometer boxes."
<i>Letters Patent sealed.</i></p> <p>758. HECTOR AUGUSTE DUFRENÉ, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"Improvements in covers or capsules for jars, pots and other vessels."—<i>A communication from Monsieur Henry Viollet, a person resident at Tours, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>759. WILLIAM HUNT, of Castleford, in the County of York, Manufacturing Chemist, for an invention for—"Improvements in treating certain compounds of copper and iron, and in utilizing residual products obtained in treating compounds of copper and iron."
<i>Provisional protection only.</i></p> <p>760. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in mechanism for preparing soles and for sewing the same upon boots and shoes."—<i>A communication to him from abroad by Lyman Reed Blake, of Boston, Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>761. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in steam-engines."—<i>A communication to him from abroad by Léon Cambier, of Ath, Belgium, Manufacturer.</i>
<i>Provisional protection only.</i></p> <p>762. JOHN WESTRAY, and JOHN FORSTER, both of Barrow-in-Furness, in the County of Lancaster, Engineers, for an invention for—"Improvements in machines for drilling and boring."
<i>Provisional protection only.</i></p> <p>763. JAMES HARTSHORN, of Nottingham, for an invention for—"Improvements in the manufacture of lace in twist lace machines."
<i>Provisional protection only.</i></p> <p>764. JOSIAH LATIMER CLARK, of Beechmont, Sydenham Hill, in the County of Surrey, for an invention for—"Improvements in differential galvanometers."
<i>Letters Patent sealed.</i></p> <p>765. CHARLES HENRY GOULD, of Birmingham, in the County of Warwick, for an invention for—"Improvements in single or combined rivets for rivetting or securing the soles of boots and shoes or other like purposes, and in the machinery or mechanical combination for manufacturing or producing them, likewise in the means for grooving or channeling boot and shoe soles for receiving such improved rivets, and also in the tools or means used for applying the same."
<i>Provisional protection only.</i></p> <p>766. JOHN BARRACLOUGH FELL, of Sparke Bridge, near Newton-in-Cartmel, in the County of Lancaster, Engineer, for an invention for—"Improvements in or applicable to locomotive engines, carriages and permanent way."
<i>Letters Patent sealed.</i></p> <p>767. HARRY DRAKE, Chef of the Carlton Club, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in the preparation of essences suitable for soups and sauces."
<i>Provisional protection only.</i></p> <p>768. HENRY CONYBEARE, of 20, Duke Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in the manufacture of rails for railways."
<i>Provisional protection only.</i></p> <p>769. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for cultivating land and sowing seed."—<i>A communication to him from abroad by David Dunham Stelle, of New Brunswick, in the State of New Jersey, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
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CLARK. 5th March 1868.	770. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in steam pumps."— <i>A communication to him from abroad by Pierre Augustin Samuël, Civil Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
DICKSON. 5th March 1868.	771. JAMES DICKSON, of Belfast, in the County of Antrim, in Ireland, Mill Mechanic, for an invention for—"Improvements in lubricators or tallow feeders." <i>Provisional protection only.</i>
PRICE. ROWE. 6th March 1868.	772. DANIEL PRICE, of Dudbridge, in the County of Gloucester, Engineer, and CHARLES ROWE, of Brimscombe, in the County of Gloucester, Engineer, for an invention for—"Improvements in apparatus for combing or cleaning animals." <i>Letters Patent sealed.</i>
PULVERMACHER. 6th March 1868.	773. ISAC LOUIS PULVERMACHER, of Regent Street, in the County of Middlesex, Electrical Engineer, for an invention for—"Improvements in apparatus or means for producing, applying and ascertaining the power of electric currents." <i>Letters Patent sealed.</i>
BRINSMEAD. 6th March 1868.	774. JOHN BRINSMEAD, of Wigmore Street, in the County of Middlesex, Piano-forte Manufacturer, for an invention for—"Improvements in the construction of pianofortes." <i>Letters Patent sealed.</i>
STANLEY. 6th March 1868.	775. JOHN MARTIN STANLEY, of Number Seven, East Parade, Rhyl, in the County of Flint, Ironfounder, for an invention for—"Improvements in the construction of furnaces." <i>Letters Patent sealed.</i>
WHITTAKER. 6th March 1868.	776. THOMAS WHITTAKER, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the preparation of paper to be employed in the manufacture of waterproof paper." <i>Letters Patent sealed.</i>
EASTWOOD. 6th March 1868.	777. JAMES EASTWOOD, of Blackburn, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for preparing size, and in machinery or apparatus to be employed in the sizing of yarn and other fibrous materials and fabrics." <i>Letters Patent sealed.</i>
HAUXWELL. RYDER. 6th March 1868.	778. GEORGE HAUXWELL, of the City of Durham, Engineer and Millwright, and JAMES RYDER, of Sunderland, in the County of Durham, Miller, for an invention for—"Improvements in preparing hard foreign wheat for manufacturing into flour, and in apparatus to be employed for such purpose." <i>Provisional protection only.</i>
LANGWELL. SPRING. 6th March 1868.	779. WILLIAM LANGWELL, and HENRY SPRING, trading under the firm of Langwell, Spring and Company, of the Don Glass Works, Attercliffe, in the Township of Attercliffe-cum-Darnall, Parish of Sheffield, in the West Riding of the County of York, Glass Manufacturers, for an invention for—"Improvements in the manufacture of bottles and in the apparatus to be employed therein." <i>Letters Patent sealed.</i>
WATSON. 6th March 1868.	780. JOHN WATSON, of Seaham Chemical Works, near Sunderland, in the County of Durham, Manufacturing Chemist, for an invention for—"Improvements in blast furnaces and in obtaining a hot blast for the same." <i>Provisional protection only.</i>
ATKINS. 6th March 1868.	781. THOMAS ATKINS, of 62, Fleet Street, in the City of London, Engineer, for an invention for—"Improvements in gloves or apparatus to be applied to the hands and feet to facilitate swimming." <i>Provisional protection not allowed.</i>
ATKINS. 6th March 1868.	782. THOMAS ATKINS, of 62, Fleet Street, in the City of London, for an invention for—"Improvements in apparatus for extinguishing fire." <i>Provisional protection only.</i>
ATKINS. 6th March 1868.	783. THOMAS ATKINS, of 62, Fleet Street, in the City of London, Engineer, for an invention for—"Improvements in feeding bottles for infants and invalids." <i>Provisional protection only.</i>
PARKER. 6th March 1868.	784. JAMES PARKER, of No. 6, Lilford Road, Camberwell, in the County of Surrey, Gentleman, for an invention for—"Further improvements in apparatus for obtaining motive-power for engines by a combination of steam and air, and for the prevention of racing in steam and air marine engines, and for a condenser applicable to steam and air engines and for other purposes." <i>Provisional protection only.</i>

- HOUSTON.
6th March 1868. 785. JAMES HOUSTON the younger, of Glasgow and Paisley, North Britain, Soap and Candle Manufacturer, for an invention for—"Improvements in the manufacture of composite candles and in the machinery or apparatus employed therein."
Letters Patent sealed.
- TONGUE.
6th March 1868. 786. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the construction of steam-boilers."—*A communication to him from abroad by Auguste Léon Bézy and Isidore Agnan Desnoyers, both of Paris, in the Empire of France.*
Letters Patent sealed.
- HARGREAVES.
7th March 1868. 787. HENRY HARGREAVES, of Burnley, in the County of Lancaster, for an invention for—"Certain improvements in looms for weaving."
Provisional protection only.
- CAMPBELL.
7th March 1868. 788. JAMES CAMPBELL, of No. 6, Founders Court, Lothbury, in the City of London, Engineer, for an invention for—"Improvements in floating docks."
Letters Patent sealed.
- BROWN.
7th March 1868. 789. SIDNEY BROWN, of Number 5, Blackfriars Road, in the County of Surrey, Perfumer, for an invention for—"An improvement in the method of ornamenting bottles, vases and jars used for perfume or toilet purposes."
Letters Patent sealed.
- LEAKE.
PLATTS.
7th March 1868. 790. ROBERT LEAKE, of the Strangeways Engraving Works, Manchester, in the County of Lancaster, and RICHARD PLATTS, of the same place, Eccentric Engraver, for an invention for—"Improvements in machinery for etching or engraving rollers for printing."
Letters Patent sealed.
- SYMONS.
7th March 1868. 791. HERMON SYMONS, of Kentish Town, in the County of Middlesex, Hardware Agent and Manufacturer, for an invention for—"Improvements in fire guards and fire screens."
Letters Patent sealed.
- SIMMONDS.
7th March 1868. 792. HENRY SIMMONDS, of Mark Lane, in the City of London, for an invention for—"Improvements in machines for hulling or decorticating cotton or other like seed."—*A communication to him from abroad by Alexander Hague Simmonds, of New York, in the United States of America.*
Provisional protection only.
- BROOMAN.
7th March 1868. 793. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in combing machinery."—*A communication to him from abroad by Firmin Natalis Thuillier-Gellée, of Amiens, France.*
Letters Patent sealed.
- KIRK.
7th March 1868. 794. ALEXANDER CARNEGIE KIRK, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in treating cast iron."
Provisional protection only.
- BERRY.
7th March 1868. 795. WILLIAM BERRY, of the firm of Benjamin Berry and Sons, of Bradford, in the County of York, Machine Makers, for an invention for—"Improvements in foot steps for upright spindles and shafts."
Provisional protection only.
- TOOTH.
7th March 1868. 796. ROBERT TOOTH, of Fenchurch Street, in the City of London, Gentleman, for an invention for—"Improvements in the evaporation of liquids and in apparatus to be employed therein."
Letters Patent sealed.
- CHEVALIER.
7th March 1868. 797. ROBERT MAGNUS CHEVALIER, Civil Engineer, of 14, Beresford Terrace, Notting Hill, W., for an invention for—"An improvement in the manufacture of the blinds usually called 'Venetian' blinds."
Letters Patent sealed and specification filed by order.
- THOMPSON.
THOMPSON.
7th March 1868. 798. JOSEPH THOMPSON, of Manor House, 124, Camberwell Road, and JOHN THOMPSON, of 46, Camberwell Green, both in the County of Surrey, for an invention for—"Improvements in fixing door and other knobs and in connecting knobs to spindles."
Letters Patent sealed.
- WARNER.
MURRAY.
7th March 1868. 799. WILLIAM HARDING WARNER, of Ross, in the County of Hereford, and ROBERT CHARLES MURRAY, of 69, Jermyn Street, in the county of Middlesex, for an invention for—"Improvements in stereoscopes."
Provisional protection only.
- GREENER.
7th March 1868. 800. WILLIAM WELLINGTON GREENER, of 61 and 62, Loveday Street, Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in central fire breech-loading guns and pistols."
Letters Patent sealed.

BAYNES. 7th March 1868.	801. FREDERICK JAMES BAYNES, of Holloway Terrace, Holloway Road, Islington, in the County of Middlesex, for an invention for—"Improvements in kitchen ranges and parts connected therewith, which improvements are also applicable to other cooking stoves." <i>Letters Patent sealed.</i>
CASPER. 7th March 1868.	802. EDWARD CASPER, of No. 101, Cannon Street, in the City of London, Merchant, for an invention for—"An improved apparatus for raising and forcing liquids, more especially designed for supplying water to steam-boilers."— <i>A communication to him from abroad by François Nicolas Santenard, of Dijon, in the Empire of France.</i> <i>Provisional protection only.</i>
KOCH. 7th March 1868.	803. PHILIPPE KOCH, of New Haven, in the State of Connecticut, United States of North America, Machinist, for an invention for—"Machinery for making metallic nuts." <i>Letters Patent sealed.</i>
LEE. 9th March 1868.	804. HENRY MICHAEL LEE, of Number 55, Cross St., Manchester, in the county of Lancaster, Jeweller, for an invention for—"Improvements in cases employed to contain visiting or address cards." <i>Provisional protection only.</i>
JEAVONS. 9th March 1868.	805. JOSHUA JEAVONS, of Sheffield, in the County of York, Iron Maker, for an invention for—"Improvements in the manufacture of tyres for railway and other wheels." <i>Provisional protection only.</i>
HARTLEY. 9th March 1868.	806. WILLIAM HARTLEY, of the firm of William Hartley and Sons, of Heywood, in the County of Lancaster, Cotton Spinners, for an invention for—"A machine for preparing and conditioning yarn." <i>Letters Patent sealed.</i>
BARLOW. 9th March 1868.	807. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in machinery for carding, combing and straightening the fibres of cotton and other fibrous substances."— <i>A communication to him from abroad by Charles Auguste Veillon, of Grellingen, in the Republic of Switzerland, Cotton Spinner.</i> <i>Letters Patent sealed.</i>
ABEL. 9th March 1868.	808. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in screw bolts and nuts for securing fish plates and other objects."— <i>A communication to him from abroad by Frederic Tudor, of Boston, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
BLUMFELD. 9th March 1868.	809. LOUIS BLUMFELD, of Wood Street, Cheapside, in the City of London, for an invention for—"Improvements in the construction of cigar-tubes and pipes when used in combination."— <i>A communication to him from abroad by Alois Christalon, of Wieden, Vienna.</i> <i>Provisional protection only.</i>
BAIRD. 9th March 1868.	810. AUGUSTUS FRASER BAIRD, of Pimlico, in the County of Middlesex, Lieutenant-Colonel in the Bengal Staff Corps, for an invention for—"Improvements in earth closets, applicable also to urinals." <i>Letters Patent sealed.</i>
PIDDING. 9th March 1868.	811. WILLIAM PIDDING, of Brunswick Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in pockets or purses formed or placed in gloves, and in the mode of securing railway tickets, money or other contents deposited therein for safe keeping." <i>Provisional protection only.</i>
WILLIS. 9th March 1868.	812. HENRY WILLIS, of Rochester Terrace, Camden Road, in the County of Middlesex, Organ Builder, for an invention for—"Improvements in the construction of organs." <i>Letters Patent sealed.</i>
BARLOW. 9th March 1868.	813. PETER WILLIAM BARLOW, of Blackheath, in the County of Kent, for an invention for—"Improvements in machinery for constructing tunnels." <i>Provisional protection only.</i>
MOREWOOD. 9th March 1868.	814. EDMUND MOREWOOD, of Cheam, in the County of Surrey, for an invention for—"Improvements in coating metal plates and in apparatus used therein." <i>Letters Patent sealed.</i>
HALSEY. 9th March 1868.	815. WILLIAM HENRY HALSEY, of Hoboken, State of New Jersey, in the United States of America, Manufacturing Jeweller, for an invention for—"A new and improved process for making articles from hard rubber and from other substances capable of being moulded in dies, and at the same time inlaying or inserting in and attaching to such articles metallic and other plates, for useful or ornamental purposes." <i>Letters Patent sealed.</i>

- CLARK.
9th March 1868. 816. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus employed for freezing liquids."—*A communication to him from abroad by Guillaume Toselli, Merchant, of 29, Boulevard St. Martin, Paris. Provisional protection only.*
- HALBARD.
9th March 1868. 817. PHILIP FANCKES HALBARD, of Burton-on-Trent, in the County of Stafford, for an invention for—"Improvements in stench traps." *Letters Patent sealed.*
- LAKE.
9th March 1868. 818. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in the treatment of fibrous materials for the manufacture of various articles, and in the means for rendering the same fire and water proof."—*A communication to him from abroad by Robert Orpheus Lowrey, of Salem, New York, United States of America. Complete specification; Letters Patent sealed.*
- SLATER.
10th March 1868. 819. JAMES SLATER, Engineer, 12, Catherine Terrace, Lansdowne Rd., S.W., Surrey, for an invention for—"Improvements in heating the feed water for steam-engine and other boilers, to economize the consumption of fuel and feed water, and in apparatus therefor." *Provisional protection only.*
- KINSEY.
10th March 1868. 820. WILLIAM BARNES KINSEY, of 92, Cannon Street, in the City of London, Engineer, for an invention for—"Improvements in apparatus for carburetting or increasing the illuminating properties of coal gas." *Letters Patent sealed.*
- ABEL.
10th March 1868. 821. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the production of brown colouring matters for dyeing and printing."—*A communication to him from abroad by Jules Gabriel Alfred Gros, Manufacturing Chemist, of Mulhouse, Haut Rhin, in the Empire of France. Provisional protection only.*
- DESBOROUGH.
10th March 1868. 822. SPENDLOVE DESBOROUGH, of Staining Lane, in the City of London, for an invention for—"Improvements in apparatus for cleaning and polishing knives, forks or other articles or surfaces." *Provisional protection only.*
- JONES.
10th March 1868. 823. JAMES JONES, of Consett Iron Works, in the County of Durham, for an invention for—"Improvements in finishing, straightening and punching rolled railway and other bars of iron and steel." *Provisional protection only.*
- MELDRUM.
10th March 1868. 824. ROBERT MELDRUM, of Pittormie, Cupar, in the County of Fife, North Britain, for an invention for—"Improvements in apparatus for raising water." *Provisional protection only.*
- DOUGLAS.
10th March 1868. 825. JOHN GEORGE DOUGLAS, of Cork, in the County of Cork, Ireland, Engineer, for an invention for—"Improvements in valve motions for oscillating cylinder engines." *Provisional protection only.*
- VERO.
10th March 1868. 826. JOSEPH VERO, of Dewsbury, in the County of York, Hatter, for an invention for—"Improvements in machinery or apparatus for the manufacture of hats." *Letters Patent sealed.*
- BOURDON.
10th March 1868. 827. ARSÈNE BOURDON, Engineer, of 62, Boulevard du Prince Eugène, Paris, in the Empire of France, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- NEWTON.
10th March 1868. 828. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for lubricating machinery."—*A communication to him from abroad by William Smith Finney, of Harrisburgh, in the State of Pennsylvania, United States of America. Provisional protection only.*
- WALLIS.
10th March 1868. 829. JOHN WALLIS, of Greenwich, in the County of Kent, Miller, for an invention for—"An improved mode of and apparatus for dressing millstones." *Letters Patent sealed.*
- ATTWOOD.
10th March 1868. 830. CHARLES ATTWOOD, of Wolsingham, in the County of Durham, Iron Master, for an invention for—"Improvements in the production or manufacture of steel and iron of a steely character." *Letters Patent sealed.*
- SMITH.
10th March 1868. 831. HUBERT ELLIS SMITH, of Hereford Iron Works, in the Town and County of Hereford, Engineer, for an invention for—"Improvements in steam-engines and boilers." *Provisional protection only.*

COCKER. 10th March 1868.	832. RICHARD COCKER, of 21, Cockspur Street, Charing Cross, in the City of Westminster, in the County of Middlesex, for an invention for—"Improvements in the treatment of flax, hemp, jute, china grass and other fibrous materials, and in apparatus to be used therein."— <i>A communication to him from abroad by Robert Hanham Collyer, of Rue Richelieu, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
BROOKS. 11th March 1868.	833. SAMUEL BROOKS, of the Union Works, West Gorton, near the City of Manchester, Machine Maker, for an invention for—"Improvements in machinery for preparing, spinning and doubling cotton and other fibrous substances." <i>Letters Patent sealed.</i>
BROADBENT. BROADBENT. 11th March 1868.	834. EDMUND BROADBENT, and JOHN BROADBENT, of the City of Manchester, Paper Manufacturers, for an invention for—"Improvements in machinery and apparatus for manufacturing paper bags." <i>Letters Patent sealed.</i>
WINSER. SWINDELLS. 11th March 1868.	835. FRANKLIN WINSER, of the City of Manchester, in the County of Lancaster, and ISRAEL SWINDELLS, of Kegworth, in the County of Leicester, for an invention for—"Improvements in the utilization of the waste products arising from esparto grass and other fibrous materials used in the manufacture of paper and other purposes." <i>Provisional protection only.</i>
WINSER. SWINDELLS. 11th March 1868.	836. FRANKLIN WINSER, of the City of Manchester, in the County of Lancaster, and ISRAEL SWINDELLS, of Kegworth, in the County of Leicester, for an invention for—"Improvements in the manufacture of sulphate of magnesia." <i>Letters Patent sealed.</i>
BROWNE. 11th March 1868.	837. BENJAMIN BROWNE, of No. 49, King William Street, in the City of London, Civil Engineer, for an invention for—"Improvements in the construction of girders or rails, railway chairs, sleepers, switches, points and crossings, and in the mode of laying, fixing and working the same on lines of railways and in other situations."— <i>A communication to him from abroad by William Buckwell, of Correggio, Emilia, in the Kingdom of Italy.</i> <i>Provisional protection only.</i>
WALKER. 11th March 1868.	838. THOMAS WALKER, of Robert Street, Chelsea, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of electric telegraph cables and lines, and in the mode of and apparatus for or connected with the transmission of electric currents." <i>Provisional protection only.</i>
NAYLOR. 11th March 1868.	839. SAMUEL NAYLOR, of Ravensfleet, in the Parish of East Stockwith, in the County of Lincoln, Engineer to the Morton Carr Drainage Proprietors, for an invention for—"Improvements in apparatus for raising water." <i>Letters Patent sealed.</i>
SHAW. HEAD. 11th March 1868.	840. MATTHEW TURNER SHAW, and THOMAS HOWARD HEAD, of 141, Cannon Street, in the City of London, for an invention for—"Improvements in rolling iron and steel, and in wrought girders and joists, and in machinery for producing the same." <i>Letters Patent sealed.</i>
LENNOX. 11th March 1868.	841. PATRICK LENNOX, of Lynn, in the County of Essex and State of Massachusetts, United States of America, for an invention for—"An improved machine for beaming hides or skins, as well as for scouring and sleeking leather." <i>Complete specification: Letters Patent sealed.</i>
HAWTHORN. 11th March 1868.	842. WILLIAM HAWTHORN, of the Town and County of Newcastle-upon-Tyne, Engineer, for an invention for—"Improvements in steam generators and other boilers." <i>Letters Patent sealed.</i>
PAGET. 12th March 1868.	843. FREDERICK ARTHUR PAGET, of 1, Seymour Chambers, York Buildings, Adelphi, in the County of Middlesex, Civil and Mechanical Engineer, for an invention for—"Improvements in constructing ships' compasses and their binnacles, and in preventing the deviations of compasses in iron or steel ships." <i>Letters Patent sealed.</i>
BOURNE. 12th March 1868.	844. JOHN BOURNE, of No. 1, Northumberland Terrace, Regent's Park Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in auxiliary propulsion." <i>Letters Patent sealed.</i>
RYLAND. 12th March 1868.	845. FREDERICK RYLAND, of West Bromwich, in the County of Stafford, Mechanical Engineer, for an invention for—"Improvements in the manufacture of pulleys for suspending window frames and for other like purposes." <i>Letters Patent sealed.</i>

- THOMPSON.
12th March 1868. 846. WILLIAM THOMPSON, of No. 11, Rathbone Street, Canning Town, Barking Road, in the County of Essex, for an invention for—"Improvements in the manufacture of iron castings."
Letters Patent sealed.
- FLETCHER.
12th March 1868. 847. HENRY FLETCHER, of 39, Old Hall Street, Liverpool, for an invention for—"An improved method of obtaining and applying motive-power."
Letters Patent sealed.
- LYTTLE.
12th March 1868. 848. WILLIAM ALEXANDER LYTTLE, of the General Post Office, London, in the County of Middlesex, Member of Society of Engineers, for an invention for—"Improvements in the means and apparatus for supplying boilers with water."
Provisional protection only.
- BUSH.
BUSH.
12th March 1868. 849. WILLIAM EDWIN BUSH, and FREDERIC AUGUSTUS BUSH, both of Commercial Road East, in the County of Middlesex, for an invention for—"A new or improved trap for catching mice, rats, animals, game or vermin."
Provisional protection only.
- BARNES.
12th March 1868. 850. THOMAS BARNES, of How Gill, near Gisburne, in the County of York, Cotton Waste Spinner and Manufacturer, for an invention for—"An improved method of and machinery for preparing rovings from waste and other inferior fibrous materials."
Letters Patent sealed.
- STEPHENS.
12th March 1868. 851. ANSON PARSONS STEPHENS, of Brooklyn, in the State of New York, United States of America, for an invention for—"Improvements in vises and similar clamping mechanism."
Letters Patent sealed.
- HODGESON.
12th March 1868. 852. JOHN HODGESON, of Latchford, in the County of Chester, near Warrington, in the County of Lancaster, Railway Signal Fitter, for an invention for—"Improvements in railway and other signals and in mechanism for actuating the same."
Letters Patent sealed.
- NEWTON.
12th March 1868. 853. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in ballasting vessels."—*A communication to him from abroad by John Benjamin Stoner, Leopold Mendelson, and Theodore Crommelin, all of New York City, United States of America.*
Letters Patent sealed.
- GEARY.
GEARY.
12th March 1868. 854. ALFRED GEARY, and EDWIN GEARY, of 16, Horsfield Road, in the County of the City of Bristol, Ironmongers, trading under the style or firm of Geary Brothers, for an invention for—"Improvements in cinder sifters."
Letters Patent sealed.
- BRITTEN.
12th March 1868. 855. BASHLEY BRITTEN, of Red Hill, in the County of Surrey, Gentleman, for an invention for—"Improvements in the manufacture of manure."
Provisional protection only.
- DUTTON.
HOLME.
HOLME.
13th March 1868. 856. EDWARD KENWORTHY DUTTON, of Manchester, in the County of Lancaster, Consulting Engineer, and JOHN HOLME and HENRY HOLME, of the same place, Merchants, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed and specification filed by order.
- MAW.
13th March 1868. 857. JOHN HORNBY MAW, of Broseley, Shropshire, for an invention for—"Improvements in moderator lamps."
Letters Patent sealed.
- BATES.
REDGATE.
13th March 1868. 858. STEPHEN BATES, of Nottingham, Lace Manufacturer, and WILLIAM REDGATE, also of Nottingham, Draftsman, for an invention for—"Improvements in the manufacture of lace in twist-lace machines."
Letters Patent sealed and specification filed by order.
- TAYLOR.
13th March 1868. 859. ADAM TAYLOR, of Oak Street, Wolverhampton, in the County of Stafford, for an invention for—"Improvements in brakes or apparatus to controul the rotation of an axis."
Provisional protection only.
- LYNDON.
13th March 1868. 860. GEORGE FREDERICK LYNDON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in rotating shafts and axles and their bearings, and in the means of lubricating the same."
Letters Patent sealed.
- ROWAND.
13th March 1868. 861. MICHAEL ROWAND, of Lewisham, in the County of Kent, Gentleman, for an invention for—"Improvements in the treatment or preparation of the ingredients employed in the manufacture of fermented liquors."
Letters Patent sealed.

McNAUGHT. 13th March 1868.	862. WILLIAM McNAUGHT, of Rochdale, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines, steam-boiler and other furnaces, and in apparatus for heating feed-water." <i>Provisional protection only.</i>
MÖLLER. 13th March 1868.	863. CARL SEVERIN MÖLLER, of Philpot Lane, in the City of London, for an invention for—"An improved portable side weapon adapted for the use of the army more particularly."— <i>A communication to him from abroad by Johann Linnemann, of No. 20, Scanegade, Copenhagen, in the Kingdom of Denmark.</i> <i>Letters Patent sealed.</i>
KERSHAW. 13th March 1868.	864. HENRY KERSHAW, of Laister Dyke, near Bradford, in the County of York, for an invention for—"Improvements in means or apparatus employed in spinning worsted and other fibres." <i>Letters Patent sealed.</i>
BROADBENT. 13th March 1868.	865. CHARLES RALPH BROADBENT, of Boston, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improvements in the manufacture of hats, bonnets and other similar articles." <i>Complete specification; Letters Patent sealed.</i>
SALOM. FIELD. 13th March 1868.	866. SALOM HENRY SALOM, of Regent Street, Optician, and THOMAS FIELD, of Vine Street, Westminster, Machinist, both in the County of Middlesex, for an invention for—"An improved apparatus or instrument for clipping or shearing the hair of horses and other animals." <i>Letters Patent sealed.</i>
BETTELEY. 13th March 1868.	867. JOSEPH BETTELEY, of Liverpool, in the County of Lancaster, Iron Merchant, for an invention for—"Improvements in the manufacture of sheet metal, metal bolts, and ships' sheathing." <i>Provisional protection not allowed.</i>
BEATTIE. 14th March 1868.	868. WILLIAM GEORGE BEATTIE, of South Bank, Surbiton, in the County of Surrey, Engineer, for an invention for—"Improvements in steam pistons." <i>Letters Patent sealed and specification filed by order.</i>
HOLNESS. 14th March 1868.	869. STEPHEN HOLNESS, of No. 13, Ufton Grove, Southgate Road, Kingsland, in the County of Middlesex, for an invention for—"Improvements in or additions to speaking tubes for intercommunication in railway trains, buildings, and other places where such tubes are or may be used." <i>Provisional protection only.</i>
JACOBSON. 14th March 1868.	870. NOAH JACOBSON, of Berlin, in the Kingdom of Prussia, Merchant, for an invention for—"A new self-acting letter-box for receipt and payment, provided with a controlling and signaling apparatus." <i>Provisional protection only.</i>
BELLHOUSE. ASHWORTH. 14th March 1868.	871. WILLIAM BELLHOUSE, junior, of the firm of James and Wainwright Bellhouse, of Manchester, in the County of Lancaster, Cotton Spinners, and RICHARD ASHWORTH, of the same place, Mechanic, for an invention for—"Certain improvements in carding-engines." <i>Letters Patent sealed.</i>
HANDYSIDE. 14th March 1868.	872. JAMES BAIRD HANDYSIDE, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in arrangements and apparatus for applying springs to railway rolling stock and otherwise." <i>Letters Patent sealed and specification filed by order.</i>
KNIGHT. 14th March 1868.	873. JOHN PEAKE KNIGHT, of New Cross, in the County of Kent, Gentleman, for an invention for—"A new or improved indicator lamp and semaphore for cabs and other public carriages and for floating vessels, also for regulating the traffic in the public thoroughfares and rifle practice." <i>Letters Patent sealed.</i>
PETRIE. 14th March 1868.	874. JOHN PETRIE, junr., of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for washing wool and other fibrous materials." <i>Letters Patent sealed and specification filed by order.</i>
MULLINER. 14th March 1868.	875. FRANCIS MULLINER, of Northampton, in the County of Northampton, Carriage Builder, for an invention for—"Improved apparatus to be used in connection with the poles and splinter bars of carriages." <i>Letters Patent sealed.</i>
CLAY. 14th March 1868.	876. JOHN CLAY, of Yardley, in the County of Worcester, Saddler, for an invention for—"Improvements in harness, saddles and harness pads." <i>Letters Patent sealed.</i>
CARTER. 14th March 1868.	877. JOHN CARTER, of Birmingham, in the County of Warwick, Boat Builder, for an invention for—"Improvements in machinery for the manufacture of nails and spikes." <i>Letters Patent sealed.</i>

LYTTLE.
14th March 1868.

878. WILLIAM ALEXANDER LYTTLE, of the General Post Office, London, in the County of Middlesex, Member of Society of Engineers, for an invention for—"Improvements in the means and apparatus for closing and securing boxes, bags and other packages." *Provisional protection only.*

GUBAULT.
14th March 1868.

879. PIERRE FRANÇOIS GUBAULT, Shoemaker, residing at No. 13, Rue Milton, Angers, Empire of France, for an invention for—"Improvements in machinery for finishing boots and shoes." *Letters Patent sealed.*

NORMAN.
16th March 1868.

880. JOHN NORMAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for dressing mill-stones." *Letters Patent sealed and specification filed by order.*

DE FORVILLE.
16th March 1868.

881. EMILE VIARENGO DE FORVILLE, of the Praire au Duc, at Nantes, Department of the Loire Inferieure, France, Merchant, for an invention for—"An improved machine for crushing and sifting flour." *Provisional protection only.*

BAUMANN.
16th March 1868.

882. ALEXANDER BAUMANN, of Heilbronn, in the Kingdom of Wurtemberg, Civil Engineer, for an invention for—"Improvements in the construction of rotary engines." *Letters Patent sealed and specification filed by order.*

BEECH.
16th March 1868.

883. THOMAS SPRING LAKE BEECH, of Charlton, in the County of Kent, for an invention for—"Improvements in engines for obtaining rotary motion by means of steam, water, gas or other fluids." *Provisional protection only.*

GRIFFITHS.
BEARD.
16th March 1868.

884. HENRY FRANCIS GRIFFITHS, of Wolverhampton, in the County of Stafford, Mechanical Engineer, and AMBROSE BEARD the younger, of Wolverhampton, aforesaid, Manager of Works, for an invention for—"Improvements in apparatus for puddling iron and steel." *Provisional protection only.*

ARTHUR.
ARTHUR.
16th March 1868.

885. WALTER ARTHUR, of 14, Upper Kennington Green, Surrey, and WILLIAM ARTHUR, of 72, Albany Street, Regent's Park, Middlesex, for an invention for—"The support and cure of hernia by means of a new and improved form of truss." *Letters Patent sealed.*

BONNEVILLE.
16th March 1868.

886. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in jacquard looms."—*A communication from Pierre Legrand, a person resident at Serain, in the Empire of France, aforesaid, Manufacturer.*

Complete specification; Letters Patent sealed.

BONNEVILLE.
16th March 1868.

887. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the permanent way of railroads."—*A communication from Achille Philippe Cyprien Legrand, a person resident at Mons, in the Kingdom of Belgium, Manufacturer.*

Complete specification; Letters Patent sealed.

BONNEVILLE.
16th March 1868.

888. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"New and improved apparatus for manufacturing cartridges."—*A communication from Jean Baptiste Lainé and Louis Ernest Lecomte, two persons resident at No. 15, Rue de Crussol, in Paris, aforesaid, Gun Makers.*

Provisional protection only.

ELLIOTT.
ELLIOTT.
16th March 1868.

889. FREDERICK HENRY ELLIOTT, and CHARLES ALFRED ELLIOTT, of the Strand, in the County of Middlesex, Opticians, for an invention for—"Improvements in telescopes."—*A communication to them from abroad by Pierre Gabriel Bardou and Denis Albert Bardou, both of Paris, France.*

Letters Patent sealed.

GREIG.
16th March 1868.

890. DAVID GREIG, of the Steam Plough Works, Leeds, in the County of York, for an invention for—"Improvements in traction engines and other engines to travel on common roads." *Letters Patent sealed and specification filed by order.*

NEWTON.
16th March 1868.

891. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of illuminating gas, in the distillation of hydrocarbons, and the making of gaseous fuel for heating purposes."—*A communication to him from abroad by Levi Stevens, of Washington City, District of Columbia, United States of America.*

Letters Patent sealed.

NEWTON. 16th March 1868.	892. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in telegraphic apparatus."— <i>A communication to him from abroad by Elisha Whitelsey Andrews and Edward Augustine Calahan, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
MURRAY. WARDEN. 16th March 1868.	893. JAMES MURRAY, of 42, Westgate Street, Newcastle-upon-Tyne, Merchant, and ROBERT WARDEN, of 15, Ellison St., Gateshead, Brass Finisher, for an invention for—"Improvements in lamps for burning paraffin and other oils and spirit." <i>Provisional protection only.</i>
JOHNSON. 16th March 1868.	894. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of wheels for vehicles and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Auguste Colas, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
LIVSEY. 16th March 1868.	895. PETER JOEL LIVSEY, of the City of Manchester, in the County of Lancaster, Consulting Engineer and Patent Agent, for an invention for—"Improvements in machinery for combing cotton and other fibrous materials."— <i>A communication to him from abroad by Ira Dimock, of Florence, Hampshire County, in the State of Massachusetts, United States of North America.</i> <i>Provisional protection only.</i>
GEE. 16th March 1868.	896. JOSEPH SMITH GEE, of the Atlas Steam Slate and Marble Works, in the City of Gloucester, for an invention for—"Improvements in ornamenting slate and such-like materials to be afterwards enamelled." <i>Letters Patent sealed.</i>
SIMS. 17th March 1868.	897. REUBEN SIMS, of the firm of Picksley, Sims and Company, Limited and Reduced, of Bedford Leigh, in the County of Lancaster, Agricultural Implement Makers, for an invention for—"Certain improvements in agricultural apparatus called horse rakes." <i>Provisional protection only.</i>
SMITH. 17th March 1868.	898. ROBERT SMITH, of Compton Road, Islington, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus for extracting foul air or gases from mines, sewers, brewers' vats and other places." <i>Provisional protection only.</i>
HULSE. WILLIAMS. 17th March 1868.	899. WILLIAM HULSE, and EDWIN WILLIAMS, both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in the manufacture and ornamentation of metallic bedsteads and other articles of metallic furniture, a part of which improvements may also be applied to the ornamentation of metallic tubes and other metallic articles." <i>Provisional protection only.</i>
WOMERSLEY. 17th March 1868.	900. CHARLES WOMERSLEY, of Saltaire, near Bradford, in the County of York, Foreman, for an invention for—"An improved lubricator." <i>Provisional protection only.</i>
GEDGE. 17th March 1868.	901. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved fuel by the use of which the kindling of fires will be greatly facilitated."— <i>A communication to him from abroad by Remy Nicolas Legendre, of 15, Passage des Petites Ecuries, Paris, France.</i> <i>Letters Patent sealed.</i>
MACNEILL. 17th March 1868.	902. SIR JOHN MACNEILL, of No. 23, Cockspur Street, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the construction of indicating apparatus for showing the number of passengers carried in public conveyances during each journey and the amount of fares paid." <i>Letters Patent sealed and specification filed by order.</i>
VILLAMIL. 17th March 1868.	903. PHILIP MARTIN VILLAMIL, of Coleshill Street, Eaton Square, in the County of Middlesex, Artist, for an invention for—"Improved apparatus to facilitate the ascending of gradients by locomotive engines." <i>Provisional protection only.</i>
HAZARD. 17th March 1868.	904. HENRY HERBERT HAZARD, of 455, New Cross Road, Deptford, in the County of Kent, Engineer, for an invention for—"Improvements in coiling or revolving shutters." <i>Provisional protection only.</i>

- LAKE.**
17th March 1868. **905. WILLIAM ROBERT LAKE**, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved substitute for hair stuffing, and mode of manufacturing the same from vegetable fibres."—*A communication to him from abroad by Nathan W. Blanchard, of Dutch Flat, California, United States of America.*
Provisional protection only.
- POISNEL.**
17th March 1868. **906. JEAN MARIE POISNEL**, residing at No. 1, Rue Hauteville, Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in the manufacture of straps, belts, bands, pipes and other articles of india-rubber or similar fabric."
Letters Patent sealed and specification filed by order.
- THOMPSON.**
THOMPSON.
17th March 1868. **907. JOSEPH THOMPSON**, of Manor House, 124, Camberwell Road, and **JOHN THOMPSON**, of 46, Camberwell Green, both in the County of Surrey, for an invention for—"Improvements in machinery for shaping wood, applicable especially for producing spokes for wheels."
Letters Patent sealed.
- POISNEL.**
17th March 1868. **908. JEAN MARIE POISNEL**, residing at No. 1, Rue Hauteville, Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in the manufacture of coverings for the feet."
Letters Patent sealed and specification filed by order.
- NEWTON.**
17th March 1868. **909. WILLIAM EDWARD NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in producing steel and cast steel, and in furnaces or apparatus used therein."—*A communication to him from abroad by Alois Thoma, of New York City, New York State, United States of America.*
Provisional protection only.
- NEWTON.**
17th March 1868. **910. WILLIAM EDWARD NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the process of preparing iron ore for smelting and in furnaces therefor."—*A communication to him from abroad by Alois Thoma, of New York City, New York State, United States of America.*
Provisional protection only.
- NEWTON.**
17th March 1868. **911. WILLIAM EDWARD NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved apparatus for measuring and administering medicine."—*A communication to him from abroad by Samuel Curtiss, junior, of Williamsburgh, King's County, in the State of New York, United States of America.*
Provisional protection only.
- SPENCER.**
17th March 1868. **912. JOHN FREDERICK SPENCER**, of Sunderland, in the County of Durham, Consulting Engineer, for an invention for—"Improvements in working the valves of steam and other engines."
Provisional protection only.
- URE.**
18th March 1868. **913. JAMES MILLAR URE**, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improved apparatus for lifting the driving wheels of a locomotive off the rails, when the locomotive is either running or stationary."
Letters Patent sealed.
- SMALE.**
18th March 1868. **914. WILLIAM SMALE**, of Oxford Road Mills, Macclesfield, in the County of Chester, for an invention for—"Improved machinery or apparatus for figure weaving in combination with a jacquard loom."
Letters Patent sealed.
- CRETIN-BORNE.**
18th March 1868. **915. CLAUDE FRANÇOIS CONSTANT CRETIN-BORNE**, of Glasgow, in the County of Lanark, for an invention for—"Improved means or apparatus for ventilating or supplying air to mines and other places."
Provisional protection only.
- CLARKE.**
WALKER.
18th March 1868. **916. WILLIAM CLARKE**, of Gateshead, in the County of Durham, and **EDMUND WALKER**, of Poplar, in the County of Middlesex, for an invention for—"Improvements in capstans."
Letters Patent sealed.
- BUTTERWORTH.**
18th March 1868. **917. ELLIS BUTTERWORTH**, of Calder Cottage, near Rochdale, in the County of Lancaster, Machinist, for an invention for—"Improvements in furnaces or fire-places."
Provisional protection only.
- LAKE.**
18th March 1868. **918. WILLIAM ROBERT LAKE**, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and apparatus for effecting the continuous return into a steam-boiler of the water evaporated and taken from the same."—*A communication to him from abroad by François Nicolas Santenard, of Dijon, in the Empire of France.*
Provisional protection only.

MARTIN. 18th March 1868.	919. GEORGE MARTIN, of Toadsmoor Mills, near Stroud, in the County of Gloucester, for an invention for—"Improvements in the treatment of mixed fabrics and in the extraction of wool therefrom, and in the construction of apparatus to be used for such treatment, which apparatus is also applicable to other purposes." <i>Letters Patent sealed.</i>
NEWTON. 18th March 1868.	920. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved manufacture of covering for floors."— <i>A communication to him from abroad by William Howell, James C. Fenn, and Charles H. Day, all of Philadelphia, State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
APPLEBY. RILEY. 18th March 1868.	921. CHARLES JAMES APPLEBY, of Emerson Street, Southwark, in the County of Surrey, Engineer, and ISAIAH RILEY, of Freeling Cottage, Freeling Street, Caledonian Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in cranes or other machinery for lifting, lowering and hauling by means of steam, gas, heated air or other fluid pressure, and in the boilers or furnaces for generating the power for the same, such improvements being applicable in part for other purposes." <i>Provisional protection only.</i>
TOWNSEND. 18th March 1868.	922. ROBERT TOWNSEND, of 13, King Henry Street, Ball's Pond, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
NEWLANDS. 18th March 1868.	923. BENJAMIN EDWARD REINA NEWLANDS, F.C.S., of 4, Malvern Terrace, Charlton, in the County of Kent, for an invention for—"Improvements in treating and obtaining products from spent oxide of iron which has been used in gasworks or otherwise, to separate sulphur from sulphuretted hydrogen, and in the purification of sulphur obtained from such oxide of iron." <i>Letters Patent sealed.</i>
WRIGHT. 18th March 1868.	924. ROBERT ALFRED WRIGHT, of Homerton, in the County of Middlesex, Engineer, for an invention for—"Improvements in the mode of and apparatus for cutting and dressing millstones and other stones." <i>Provisional protection only.</i>
LINNETT. 18th March 1868.	925. JOHN BARNES LINNETT, of Birmingham, in the County of Warwick, Printer, for an invention for—"Improvements in the means of producing optical illusions." <i>Letters Patent sealed.</i>
WAILES. 18th March 1868.	926. GEORGE WAILES, of Stroud, in the County of Gloucester, Engineer, for an invention for—"Improvements in the manufacture of safes or strong boxes." <i>Provisional protection only.</i>
WENKHEIM. 18th March 1868.	927. SIEMON WENKHEIM, of the firm of S. and E. Wenkheim, of Number 83, Regent Street, Hosier, for an invention for—"A mode or method of combining a shirt and waistcoat or portions thereof, so as to be worn either as a waistcoat and shirt or as a shirt only." <i>Letters Patent sealed.</i>
HILL. 19th March 1868.	928. PEARSON HILL, of No. 59, Leinster Square, in the County of Middlesex, for an invention for—"Improvements in breaks for perambulators and other vehicles propelled by hand." <i>Letters Patent sealed.</i>
PARKS. 19th March 1868.	929. BENJAMIN PARKS, of Lewisham, in the County of Kent, for an invention for—"Improvements in machinery or apparatus for separating and crushing breeze or cinders in one combined action." <i>Provisional protection only.</i>
GREEN. GREEN. 19th March 1868.	930. CHARLES EDMOND GREEN, of 13, Blandford Street, Portman Square, in the County of Middlesex, and JOHN GREEN, of Windermere Cottage, Winchmore Hill, Edmonton, in the said County of Middlesex, for an invention for—"Improvements in the manufacture of cartridges for breech-loading fire-arms." <i>Complete specification: Letters Patent sealed.</i>
LAKE. 19th March 1868.	931. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in ventilating windows and window blinds."— <i>A communication to him from abroad by William Pitt Hoffman, of San Francisco, California, United States of America, Gentleman.</i> <i>Provisional protection only.</i>
EDWARDS. 19th March 1868.	932. JOB EDWARDS, of Wednesbury, in the County of Stafford, Manufacturer, for an invention for—"Improvements in props or supports for supporting the roofs of coal or other mines." <i>Provisional protection only.</i>

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| <p>REDMAN.
19th March 1868.</p> | <p>933. WILLIAM REDMAN, of Bankfoot, Hebden Bridge, in the County of York, Self-acting Minder, for an invention for—"Improvements in means or apparatus for the formation or building of cop bottoms in machinery for spinning and twisting cotton or other fibrous substances." <i>Provisional protection only.</i></p> |
| <p>ROWLAND.
DALTON.
19th March 1868.</p> | <p>934. ELLIS ROWLAND, of Manchester, in the County of Lancaster, Engineer, and JOHN DALTON, of the same place, Gentleman, for an invention for—"Certain improvements in the method and arrangement of apparatus for closing dampers, which apparatus may also be employed for measuring liquids." <i>Letters Patent sealed.</i></p> |
| <p>DAVIES.
19th March 1868.</p> | <p>935. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in machinery for combing cotton and other fibres."—<i>A communication to him from abroad by Milton D. Whipple, of Cambridge, Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i></p> |
| <p>LANE.
19th March 1868.</p> | <p>936. JOHN EDWARD LANE, of Great Berkhamstead, in the County of Herts, for an invention for—"Improvements in apparatus for heating or warming buildings or apartments and for other similar purposes." <i>Provisional protection only.</i></p> |
| <p>RICHARDSON.
19th March 1868.</p> | <p>937. WILLIAM RICHARDSON, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in machinery for the manufacture of bricks and tiles." <i>Letters Patent sealed.</i></p> |
| <p>WARNER.
CHOPPING.
19th March 1868.</p> | <p>938. FREDERICK WARNER, of Jewin Crescent, in the City of London, Engineer, and HENRY CHOPPING, of Roxwell, in the County of Essex, for an invention for—"Improvements in windmills." <i>Letters Patent sealed.</i></p> |
| <p>HOOPER.
19th March 1868.</p> | <p>939. WILLIAM HOOPER, of Mitcham, in the County of Surrey, for an invention for—"Improvements in treating india-rubber, and in the manufacture therefrom of fabrics and of insulated telegraphic conductors." <i>Letters Patent sealed.</i></p> |
| <p>GEIGER.
19th March 1868.</p> | <p>940. JOHN LEWIS GEIGER, of 1, Great Winchester Street Buildings, in the City of London, for an invention for—"Improvements in doubling, twisting and throwing silk and in apparatus therefor."—<i>A communication to him from abroad by Eugene Duseigneur-Kléber, a person resident at 29, Cours Morand, Lyons, in the Empire of France.</i> <i>Provisional protection only.</i></p> |
| <p>TRUEMAN.
19th March 1868.</p> | <p>941. RUSSELL WILLIAM JOHN TRUEMAN, of Queen Street, Belfast, Ireland, for an invention for—"Improvements in machinery or apparatus for collecting and removing mud from the surface of roads and streets." <i>Letters Patent sealed.</i></p> |
| <p>ENCAUSSE.
19th March 1868.</p> | <p>942. LOUIS ENCAUSSE, of Madrid, in the Kingdom of Spain, Chemist, for an invention for—"Improvements in the application of remedial agents to the human frame and in the apparatus employed therein." <i>Letters Patent sealed.</i></p> |
| <p>CHAMBERLAIN.
CRAVEN.
WEDEKIND.
19th March 1868.</p> | <p>943. HUMPHREY CHAMBERLAIN, and JOHN CRAVEN, both of Wakefield, in the County of York, Engineers, and HERMANN WEDEKIND, of No. 2, Dunster Court, Mincing Lane, in the City of London, Engineer, for an invention for—"Improvements in the burning and drying of bricks, lime, cement and other like substances, and in the kilns employed therein."—<i>Partly communicated to them from abroad by Friedrich Hoffmann, of Berlin, in the Kingdom of Prussia, and partly their own invention.</i> <i>Letters Patent sealed.</i></p> |
| <p>SHAW.
19th March 1868.</p> | <p>944. HENRY FRANKLIN SHAW, of West Roxbury, in the County of Norfolk and State of Massachusetts, one of the United States of America, for an invention for—"Improvements in machines for overcoming resistance." <i>Complete specification: Letters Patent sealed.</i></p> |
| <p>SIDE.
20th March 1868.</p> | <p>945. ROBERT SIDE, of 130, Southwark Bridge Road, Southwark, County of Surrey, for an invention for—"A compound lever introducing gravitation as a motive-power, to supersede a considerable amount of steam power." <i>Provisional protection only.</i></p> |
| <p>TATTERS.
KEEBLE.
NEWBERY.
20th March 1868.</p> | <p>946. JAMES GRAHAM TATTERS, WALTER KEEBLE, and BENJAMIN NEWBERY, all of Plymouth, in the County of Devon, for an invention for—"Improvements in the preparation of cigars and mode of lighting the same." <i>Letters Patent sealed.</i></p> |

MATHER. 20th March 1868.	947. COLIN MATHER, of the firm of Messieurs Mather and Platt, of Salford, in the County of Lancaster, Engineers, for an invention for—"Improvements in machinery and apparatus for opening and cleaning wool and other fibrous substances."— <i>A communication to him from abroad by Charles Grandison Sargent, of Graniteville, Massachusetts, in the United States of America.</i> Letters Patent sealed.
PINKNEY. CALVERT. 20th March 1868.	948. WILLIAM PINKNEY, of Eggleston, Engineer, and ROBERT CALVERT, of Bishop Auckland, Auctioneer, both in the County of Durham, for an invention for—"An improved mode of applying a jet or jets of steam to blacksmiths' fires, cupolas, mill furnaces, smelting and refining works, for directing hot or cold blast thereinto, applicable also for ventilating mines and buildings, and for other purposes to which a blast is applicable." Provisional protection NOT allowed.
MELDRUM. 20th March 1868.	949. ROBERT MELDRUM, of Pittormie, Cupar, in the County of Fife, North Britain, for an invention for—"Improvements in steam-engines." Provisional protection only.
BROWNLIE. 20th March 1868.	950. ARCHIBALD BROWNLIE, of the firm of Brownlie and Son, of the Garrion Grain Mills, Wishaw, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for heating air for grain kilns." Provisional protection only.
TAYLOR. TAYLOR. 20th March 1868.	951. WILLIAM TAYLOR, of Driffeld, in the County of York, and CHARLES EDWARD TAYLOR, of Bradford, in the same County, for an invention for—"Improvements in stands or tables for sewing-machines and other purposes." Letters Patent sealed.
ABRAHAM. BAYLISS. 20th March 1868.	952. JOHN ABRAHAM, of Birmingham, in the County of Warwick, Machinist, and THOMAS RICHARD BAYLISS, of Birmingham, aforesaid, Machinist, for an invention for—"Improvements in central fire cartridges for breech-loading fire-arms." Letters Patent sealed; no specification filed.
COOPER. 20th March 1868.	953. JOHN HENRY COOPER, of the firm of Messieurs Moore and Cooper, of Regent Street, in the County of Middlesex, Bootmakers, for an invention for—"Improvements in the manufacture of boots for hunting, shooting, fishing and other uses." Letters Patent sealed.
GUNNER. 20th March 1868.	954. CHARLES GUNNER, of Lucas Road, Kennington, in the County of Surrey, for an invention for—"Improvements in life-boats." Letters Patent sealed.
BADE. 20th March 1868.	955. JACOB HERMANN CESAR BADE, of Dalston, in the County of Middlesex, Engineer, for an invention for—"Improvements in close fire ranges." Provisional protection only.
TWIGG. BATEMAN. 20th March 1868.	956. GEORGE TWIGG, of Birmingham, in the County of Warwick, Manufacturer, and HYDE BATEMAN, of Barnes, in the County of Surrey, Architect, for an invention for—"Improvements in the manufacture of corkscrews." Letters Patent sealed.
DUER. 20th March 1868.	957. SIDENHAM DUER, of Harewood Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of packing for stuffing boxes, pistons and bearings."— <i>The result partly of a communication made to him by Ernest Thorold, of Lee, in the County of Kent (since deceased), and partly of invention and discovery made by him.</i> Letters Patent sealed.
DAVIES. 21st March 1868.	958. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in apparatus to be used in the manufacture of mill stones and in the working of hard stones in general."— <i>A communication to him from abroad by Samuel Golay, of Paris, Machinist.</i> Letters Patent sealed.
JOHNSON. 21st March 1868.	959. EDWARD DANIEL JOHNSON, of Wilmington Square, in the County of Middlesex, Watch Maker, for an invention for—"Improvements in the construction of pocket watches." Letters Patent sealed.
LISTER. 21st March 1868.	960. ISAAC SOLLY LISTER, of No. 3, Laurence Pountney Hill, in the City of London, for an invention for—"Improvements in hats and other coverings to the head, to obtain ventilation and comfort in wear."— <i>A communication to him from abroad by George Deas, of the City of New York, State of New York, in the United States of America.</i> Provisional protection only.

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| <p>MACDONA.
HILLIARD.
21st March 1868.</p> | <p>961. GEORGE MACDONA, of Downshire Hill, Hampstead, in the County of Middlesex, Merchant, and OSBORNE HILLIARD, of Pembroke Road, Dublin, Esquire, for an invention for—"Improvements in means and appliances for conveyance, transport and locomotion."—<i>A communication to them from abroad by Casimir Comte de Mankowski, of Warsaw, Grand Duchy of Posen.</i>
<i>Letters Patent sealed.</i></p> |
| <p>BOULTON.
21st March 1868.</p> | <p>962. WILLIAM STAPLES BOULTON, of Rose Lane Iron Works, in the City of Norwich, Manufacturing Engineer, for an invention for—"Improvements in lawn mowers."
<i>Letters Patent sealed.</i></p> |
| <p>SPONG.
HADDAWAY.
21st March 1868.</p> | <p>963. JAMES OSBORN SPONG, and JOHN FREDERICK HADDAWAY, both of Fulham Road, in the County of Middlesex, for an invention for—"Improvements in blow-pipes."
<i>Provisional protection only.</i></p> |
| <p>HUDSON.
21st March 1868.</p> | <p>964. WALTER GREVILLE CONYERS HUDSON, of Barbara Street, Islington, in the County of Middlesex, for an invention for—"A new or improved sandal or overshoe for preventing slipping in frosty weather and other uses."
<i>Provisional protection only.</i></p> |
| <p>BESSEMER.
21st March 1868.</p> | <p>965. HENRY BESSEMER, of Queen Street Place, Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of refined iron and of malleable iron and steel."
<i>Letters Patent sealed.</i></p> |
| <p>JENNINGS.
21st March 1868.</p> | <p>966. JOSIAH GEORGE JENNINGS, of Palace Wharf, Lambeth, in the County of Surrey, Sanitary Engineer, for an invention for—"Improvements in waterclosets and in apparatus for supplying water, and in sewers or drains for receiving the same."
<i>Letters Patent sealed.</i></p> |
| <p>BESSEMER.
21st March 1868.</p> | <p>967. HENRY BESSEMER, of Queen Street Place, Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of malleable iron and steel and in apparatus used in such manufacture."
<i>Letters Patent sealed.</i></p> |
| <p>GREENHOW.
21st March 1868.</p> | <p>968. ROBERT GAWTHORPE GREENHOW, of Llanidloes, in the County of Montgomery, for an invention for—"Improvements in breech-loading fire-arms and cartridges."
<i>Letters Patent sealed.</i></p> |
| <p>DUTTON.
23rd March 1868.</p> | <p>969. EDWARD KENWORTHY DUTTON, of the Patent Office, 3, Smithy Door, Manchester, in the County of Lancaster, Consulting Engineer, for an invention for—"Improvements in valves employed to regulate the flow of water."
<i>Letters Patent sealed.</i></p> |
| <p>DEAUBEUF.
23rd March 1868.</p> | <p>970. VICTOR ADOLPHE DEAUBEUF, of Maindy, Cardiff, in the County of Glamorgan, for an invention for—"Improvements in machinery or apparatus for the manufacture of compressed or moulded fuel from small coal and other material."
<i>Complete specification : Letters Patent sealed.</i></p> |
| <p>POPE.
23rd March 1868.</p> | <p>971. THOMAS POPE, of Twickenham, in the County of Middlesex, for an invention for—"Improvements in braces or suspenders."—<i>A communication to him from abroad by Charles H. Cleveland, of Selma, Alabama, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>LAKE.
23rd March 1868.</p> | <p>972. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in metal ties or bands for securing bales of cotton or other substance."—<i>A communication to him from abroad by Joseph Wild Branch and Joseph Crookes, both of St. Louis, Missouri, United States of America, Merchants.</i>
<i>Letters Patent sealed.</i></p> |
| <p>HOLMES.
23rd March 1868.</p> | <p>973. SAMUEL HOLMES, of 180, High Holborn, in the County of Middlesex, for an invention for—"Improvements in lamps for burning oils and spirits."
<i>Letters Patent sealed.</i></p> |
| <p>BROOMAN.
23rd March 1868.</p> | <p>974. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in machinery for the manufacture of lace."—<i>A communication to him from abroad by Désiré Sival and Léon Sival, both of Roubaix, France.</i>
<i>Provisional protection only.</i></p> |

PAULUS. 23rd March 1868.	975. HENRY PAULUS, of No. 60, Boulevard de Strasbourg, Paris, in the Empire of France, Merchant, for an invention for—"An improved pile-driving engine with modifiable length of stroke of the ram, applicable also to other purposes." <i>Provisional protection only.</i>
BRÖNNER. 23rd March 1868.	976. JULIUS BRÖNNER, of Frankfort-on-the-Maine, in the Kingdom of Prussia, Manufacturer, for an invention for—"Improvements in the construction of gas-burners." <i>Letters Patent sealed.</i>
MCDERMOTT. 23rd March 1868.	977. CHARLES MCDERMOTT, Gentleman, of 20, Devereux Court, London, for an invention for—"An improved indelible pencil for marking linen and other fabrics." <i>Provisional protection only.</i>
GUY. 23rd March 1868.	978. GEORGE FULLER GUY, of Bury St. Edmund's, in the County of Suffolk, for an invention for—"Improvements in the manufacture of sugar and other alimentary substances from beet-root." <i>Letters Patent sealed.</i>
LEROY. 23rd March 1868.	979. CLAUDE NICOLAS LEROY, of 7, Rue Eugène-Levallois, Perret, near Paris, in the Empire of France, for an invention for—"Improvements in grease cups or apparatus for lubricating machinery." <i>Letters Patent sealed.</i>
RAMSCAR. WILSON. 23rd March 1868.	980. ALFRED WILLIAM RAMSCAR, of Gray's Inn Road, Gunsmith, and FREDERIC WARNER WILSON, of Edgware Road, both in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms and cartridges." <i>Provisional protection only.</i>
LAKE. 23rd March 1868.	981. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in metal ties or bands for securing bales of cotton or other substance."— <i>A communication to him from abroad by Joseph Wild Branch and Joseph Crookes, both of St. Louis, Missouri, United States of America, Merchants.</i> <i>Letters Patent sealed.</i>
DE BERGUE. 23rd March 1868.	982. CHARLES DE BERGUE, of 10, Strand, in the City of Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in locomotive engines, and in the modes of transmitting the power of a locomotive engine to the tender and other carriages of a train, for converting their wheels into driving wheels." <i>Letters Patent sealed.</i>
VIGNIER. 23rd March 1868.	983. EVARISTE VIGNIER, of 2, Fowkes Building, in the City of London, Merchant, for an invention for—"Improvements in distilling and rectifying spirits and in apparatus employed therein." <i>Provisional protection only.</i>
BARCLAY. 23rd March 1868.	984. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, for an invention for—"Improvements in barometers, thermometers, and in their combination with watches, clocks and other instruments." <i>Letters Patent sealed; no specification filed.</i>
NEWTON. 23rd March 1868.	985. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the county of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in thrashing-machinery."— <i>A communication to him from abroad by Auguste Bernard Albaret, of the firm of Albaret and Company, of Paris, in the Empire of France, Machine Maker.</i> <i>Letters Patent sealed.</i>
TREVERTON. FOWLER. 23rd March 1868.	986. HENDER TREVERTON, of Duke Street, West Smithfield, in the City of London, Manufacturer, and EDWARD HENRY FOWLER, of Brixton, in the County of Surrey, Clerk, for an invention for—"Improvements in frames or holders for lamp shades or glasses." <i>Provisional protection only.</i>
FARMER. 24th March 1868.	987. JOHN STINSON FARMER, of the firm of Saxby and Farmer, of Canterbury Road, Kilburn, Railway Signal Engineers, for an invention for—"Improvements in the apparatus for and in the means of communicating or transmitting signals between the parts of a railway train, and for signalling on railways in connection with train working." <i>Provisional protection only.</i>
PATERSON. 24th March 1868.	988. GEORGE BERTIE PATERSON, of No. 15, Arnold's Place, Francis Street, Walworth, in the County of Surrey, Machinist, for an invention for—"Improvements in gas-meter indexes." <i>Letters Patent sealed; no specification filed.</i>
BURGESS. 24th March 1868.	989. HERBERT BURGESS, of Battle, in the County of Sussex, Draper, for an invention for—"Improvements in the construction of rails for railways and tramways." <i>Provisional protection only.</i>

- GEDGE.
24th March 1868. 990. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved smoke-consuming fireplace or furnace."—*A communication to him from abroad by Ernest Henry, of Lisieux (Calvados), France.*
Letters Patent sealed.
- BOOTHBY.
24th March 1868. 991. WILLIAM ROBINSON BOOTHBY, of Adelaide, in the Province of South Australia, for an invention for—"An improved combination of mechanism to produce rotatory motion in engines." *Provisional protection only.*
- FULLER.
24th March 1868. 992. THOMAS WILLIAM FULLER, of Leamington, in the County of Warwick, Coach Builder, for an invention for—"Improvements in carriages." *Letters Patent sealed.*
- ABEL.
24th March 1868. 993. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in watches, chronometers and clocks."—*A communication to him from abroad by Clement Exhenry, of Monthey, in the Republic of Switzerland, Watchmaker.*
Provisional protection only.
- GRAY.
24th March 1868. 994. EDWARD GRAY, of Sheffield, in the County of York, Steel Saw, File, Edge Tool and Machine Knife Manufacturer, for an invention for—"Improvements in the manufacture of metal bars intended to be made into horse-shoes and other articles." *Letters Patent sealed.*
- GRAY.
24th March 1868. 995. EDWARD GRAY, of Sheffield, in the County of York, Steel Saw, File, Edge Tool and Machine Knife Manufacturer, for an invention for—"An improved mode or method of strengthening or increasing the durability of rails, points and crossings for railways." *Letters Patent sealed.*
- HARDCASTLE.
24th March 1868. 996. ROBERT ANTHONY HARDCASTLE, of No. 16, Rye Hill, in the Borough and County of Newcastle-upon-Tyne, for an invention for—"Improvements in the manufacture of iron and steel and in apparatus employed therein." *Provisional protection only.*
- FARRAR.
HUNTLEY.
24th March 1868. 997. JOHN ALCOCK FARRAR, of Hartlepool, in the County of Durham, Master Mariner, and BENJAMIN RALPH HUNTLEY, of Hartlepool, aforesaid, Ship Chandler, for an invention for—"Improvements in ships' hatches, and in ventilating the holds and cabins of ships." *Provisional protection only.*
- CROHN.
24th March 1868. 998. FREDERICK WILLIAM CROHN, of 4, Cullum Street, Fenchurch Street, in the City of London, Consulting Engineer, for an invention for—"Improvements in turbine apparatus for obtaining power from a fall of water." *Provisional protection only.*
- LEWIS.
24th March 1868. 999. DAVID LEWIS, of Ranelagh Street, Liverpool, in the County of Lancashire, for an invention for—"Improvements in portable tables." *Provisional protection only.*
- SMITH.
24th March 1868. 1000. ROBERT SMITH, of Chorlton-upon-Medlock, in the City of Manchester, County of Lancaster, Machinist, for an invention for—"Improvements in machinery for winding cotton, silk and other yarns or threads on to spools, cards or balls, and in additional apparatus to be used when winding balls, for ticketing the same." *Letters Patent sealed.*
- HARRIS.
24th March 1868. 1001. CHARLES HARRIS, of the firm of Skidmore and Harris, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus to be employed in the manufacture of paper bags." *Provisional protection only.*
- ANTILL.
24th March 1868. 1002. JOSHUA ANTILL, of Wandsworth, in the County of Surrey, Plasterer, for an invention for—"Improvements in stench traps." *Letters Patent sealed.*
- NEWTON.
24th March 1868. 1003. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of pocket knives."—*A communication to him from abroad by Robert Wade, of the City and State of New York.*
Provisional protection only.
- SMITH.
24th March 1868. 1004. RICHARD SMITH, junior, of Belper, in the County of Derby, Miller, for an invention for—"Improved apparatus or machinery for scouring and hulling grain and seeds." *Letters Patent sealed.*

BOULTON. IMRAY. 24th March 1868.	1005. MATTHEW PIERS WATT BOULTON, of Tew Park, in the County of Oxford, Gentleman, and JOHN IMRAY, of 190, Westminster Bridge Road, in the County of Surrey, Engineer, for an invention for—"Improvements in means and apparatus for effecting aerial locomotion." <i>Letters Patent sealed.</i>
LITTLE. 25th March 1868.	1006. ROBERT LITTLE, of Greenock, in the County of Renfrew, North Britain, Merchant, for an invention for—"Improvements in reducing the temperature of air, in producing ice, in preserving animal and vegetable substances, and in apparatus therefor."— <i>A communication to him from abroad by Dugald Little, residing at Hobart Town, Tasmania.</i> <i>Provisional protection only.</i>
ELLIOTT. BARKER. 25th March 1868.	1007. ARTHUR ELLIOTT, of Failsworth, near the City of Manchester, Practical Mechanic, and JOHN BARKER, of Park Street Iron Works, Oldham, in the County of Lancaster, Millwright and Engineer, for an invention for—"Improvements in apparatus for lubricating axles and bearings and other frictional surfaces." <i>Letters Patent sealed.</i>
BONNEVILLE. 25th March 1868.	1008. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for exhibiting advertisements, and in apparatus for distributing prospectuses, cards, circulars and other papers."— <i>A communication from Charles Cardot and Stanislas Louis Alexandre Berthier, of the firm of Cardot, Berthier and Co., two persons resident at Paris, No. 99, Rue de Ménilmontant, Civil Engineers.</i> <i>Provisional protection only.</i>
MCGLASHAN. HENDRY. 25th March 1868.	1009. ALEXANDER MCGLASHAN, of Coal Yard, Drury Lane, in the County of Middlesex, Engineer, and JOHN HENDRY, of Arlington Street, New North Road, in the same County, Back and Vat Maker, for an invention for—"Improved machinery or apparatus for mashing substances employed in the making of fermented liquors." <i>Letters Patent sealed.</i>
WOLLASTON. STANBRIDGE. 25th March 1868.	1010. ALFRED BUCHANAN WOLLASTON, of Chiselhurst, in the County of Kent, Merchant, and FREDERICK STANBRIDGE, of Llangarron, in the County of Hereford, Farmer, for an invention for—"Improvements in the treatment of mixed fabrics and in the separation of wool from cotton and other substances contained therein." <i>Letters Patent sealed.</i>
WARBURTON. 25th March 1868.	1011. JAMES WARBURTON, junr., of Sandal, near Wakefield, in the County of York, Commission Agent, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
HAYHURST. 25th March 1868.	1012. GEORGE HAYHURST, of Bury, in the County of Lancaster, Tin Plate Worker, for an invention for—"Improvements in drying cylinders employed in sizing and other machines." <i>Provisional protection only.</i>
BUCK. 25th March 1868.	1013. WILLIAM BUCK, of Upper Tooting, in the County of Surrey, Engineer, for an invention for—"Improvements in machinery or apparatus for working and locking or controlling railway points and signals." <i>Letters Patent sealed.</i>
LANE. 25th March 1868.	1014. THOMAS LANE, of Birmingham, in the County of Warwick, Civil Engineer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
BROOMAN. 25th March 1868.	1015. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in machinery for the manufacture of paper tubes specially intended for use in spinning machinery."— <i>A communication to him from abroad by the Society Paul Corpet and Lessieux, of Moncel, France.</i> <i>Letters Patent sealed.</i>
FISHER. 25th March 1868.	1016. SAMUEL FISHER, of the Strand, in the County of Middlesex, Church Decorator, for an invention for—"Improvements in the ornamentation of tiles to be used for the purposes of mural and other decoration." <i>Letters Patent sealed.</i>
PLANT. 25th March 1868.	1017. JAMES PLANT, of Sheffield, in the County of York, Dram Flask Maker, for an invention for—"Improvements in dram flasks." <i>Provisional protection only.</i>
NEWTON. 25th March 1868.	1018. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in spinning machinery."— <i>A communication to him from abroad by Henry Tatem Potter and Joseph Griswold Lamb, both of Norwich, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>

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| <p>RICHARDSON.
25th March 1868.</p> <p>WHITEHOUSE.
25th March 1868.</p> <p>SAGAR.
RICHMOND.
CATLOW.
25th March 1868.</p> <p>ANDERSON.
25th March 1868.</p> <p>JAMESON.
25th March 1868.</p> <p>MEADE.
25th March 1868.</p> <p>PRICE.
25th March 1868.</p> <p>PIGGOTT.
25th March 1868.</p> <p>DIXON.
26th March 1868.</p> <p>KING.
26th March 1868.</p> <p>ORAM.
26th March 1868.</p> <p>ORR.
26th March 1868.</p> <p>AUBIN.
26th March 1868.</p> <p>BETTNEY.
26th March 1868.</p> <p>DAVEY.
26th March 1868.</p> | <p>1019. WILLIAM RICHARDSON, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in machines for burring or cleaning wool."
<i>Letters Patent sealed.</i></p> <p>1020. THOMAS WHITEHOUSE, of Wednesbury, in the County of Stafford, Engineer, for an invention for—"Improvements in blast furnaces."
<i>Provisional protection only.</i></p> <p>1021. THOMAS SAGAR, Machine Maker, THOMAS RICHMOND, Cotton Manufacturer, and CHRISTOPHER CATLOW, Overlooker, all of Burnley, in the County of Lancaster, for an invention for—"Improvements in looms for weaving."
<i>Provisional protection only.</i></p> <p>1022. JOHN ANDERSON, of Ramsbottom, in the County of Lancaster, Manager in a Cotton Mill, for an invention for—"Improvements in machinery employed for carding wool, cotton and other fibres."
<i>Letters Patent sealed.</i></p> <p>1023. JOHN JAMESON, of No. 10, Catherine Terrace, Gateshead, in the County of Durham, Engineer, for an invention for—"Improvements in the preparation of safety paper."
<i>Letters Patent sealed.</i></p> <p>1024. The Honorable HERBERT GEORGE PHILLIP MEADE, Lieutenant in the Royal Navy, of Belgrave Square, in the County of Middlesex, for an invention for—"Improvements in fire-arms and in cartridges, projectiles and torpedoes."
<i>Provisional protection only.</i></p> <p>1025. ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Consulting Chemist, for an invention for—"Improvements in the treatment of ores and in apparatus or means employed therein."
<i>Letters Patent sealed.</i></p> <p>1026. WILLIAM PETER PIGGOTT, of 16, Argyll Street, in the County of Middlesex, Electrician, for an invention for—"Improvements in transmitting electric telegraph messages and in apparatus employed therein."
<i>Letters Patent sealed.</i></p> <p>1027. EDWYN JOHN JEFFERY DIXON, of Deanfield Works, Bangor, North Wales, Engineer, for an invention for—"Improvements in machinery for reducing, planing, smoothing, facing or otherwise working and manufacturing slate, slate slabs and other stone and materials."
<i>Letters Patent sealed.</i></p> <p>1028. JOHN THOMSON KING, of Liverpool, in the County of Lancaster, Consulting Engineer, for an invention for—"Improvements in apparatus for dressing millstones."
<i>Letters Patent sealed.</i></p> <p>1029. WILLIAM ORAM, of Salford, in the County of Lancaster, for an invention for—"Certain improvements in hydraulic presses and in the apparatus connected therewith."
<i>Letters Patent sealed.</i></p> <p>1030. MATTHEW BROWN ORR, of Glasgow, in the County of Lanark, North Britain, Queensland Merchant, for an invention for—"Improvements in arrangements and apparatus for drying and preserving animal and vegetable substances."—<i>A communication to him from abroad by Joseph Bancroft, residing at Brisbane, Queensland.</i>
<i>Letters Patent sealed.</i></p> <p>1031. WILLIAM HENRY SAINT AUBIN, of Wolverhampton, in the County of Stafford, Machinist, for an invention for—"Improvements in and additions to cocks and taps for drawing off liquids and gases from pipes, casks or other vessels, which improvements and additions may also be applied to cocks and taps for filling vessels."
<i>Provisional protection only.</i></p> <p>1032. THOMAS BETTNEY, of Manchester, in the County of Lancaster, Commercial Traveller, for an invention for—"An improvement in paper-cutting machines, which improvement is also applicable to certain printing machines, envelope and label-punching machines, and to other similar machines for punching shapes."
<i>Letters Patent sealed.</i></p> <p>1033. HENRY DAVEY, of 9, Victoria Chambers, in the City of Westminster, Engineer, for an invention for—"Improvements in steam-engines, part of which is applicable to steam pumps."
<i>Provisional protection only.</i></p> |
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CLARK. CLARK. 26th March 1868.	1034. WILLIAM CLARK, junior, of Dunfermline, in the County of Fife, North Britain, Engineer, and JOHN CLARK, of Paddington, in the County of Middlesex, Engineer, for an invention for—"Improvements in locomotive engines, in part applicable to steam-engines generally, and to railway and other carriages." <i>Letters Patent sealed.</i>
HAVENHAND. ALLEN. 26th March 1868.	1035. MARK HAVENHAND, and JOHN ALLEN, both of Dronfield, in the County of Derby, for an invention for—"Improvements in pistons." <i>Letters Patent sealed.</i>
COCKS. 26th March 1868.	1036. JAMES COCKS, of 189, Regent Street, in the County of Middlesex, Tailor, for an invention for—"Improvements in the making of trowsers and in the manufacture of materials for the same." <i>Provisional protection only.</i>
MANWARING. 26th March 1868.	1037. WILLIAM MANWARING, of the Britannia Works, Banbury, Engineer, for an invention for—"Improvements in the construction of reaping and mowing machines." <i>Letters Patent sealed.</i>
CLIFF. 26th March 1868.	1038. WILLIAM DEWHIRST CLIFF, of Wortley, near Leeds, in the County of York, Brick and Tube Manufacturer, for an invention for—"Improvements in furnaces or kilns for the burning of bricks, pottery, iron ore and other similar substances." <i>Letters Patent sealed.</i>
PAGE. EAST. 26th March 1868.	1039. WILLIAM SAMUEL PAGE, and RICHARD EAST, both of Nine Elms Wharf, Nine Elms, in the County of Surrey, for an invention for—"Improved mechanical arrangements applicable to steam-boilers and the cylinders of steam and other motive-power engines, for preventing the priming thereof, and for lubricating the pistons and cylinders of engines." <i>Letters Patent sealed.</i>
BROWNE. 26th March 1868.	1040. BENJAMIN BROWNE, of No. 49, King William Street, in the City of London, Civil Engineer, for an invention for—"Improved machinery for the manufacture of collars, cuffs and other articles of dress made of paper or paper and cloth combined."— <i>A communication to him from abroad by William Nathan Throckmorton, of the City and State of New York.</i> <i>Letters Patent sealed.</i>
PERRY. BRAMPTON. 26th March 1868.	1041. STEPHEN PERRY, of Red Lion Square, in the County of Middlesex, and FREDERICK BRAMPTON, of Birmingham, in the County of Warwick, for an invention for—"Improvements in letter clips, bill files and other similar clips or suspenders." <i>Letters Patent sealed.</i>
LYALL. 26th March 1868.	1042. JAMES LYALL, of the City and State of New York, United States of America, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
JOHNSON. 26th March 1868.	1043. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in lamps for burning liquid hydrocarbons."— <i>A communication to him from abroad by Robert Wallace Park, John Charles Love, and William Henry Love, all of Philadelphia, Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>
ROUTLEDGE. RICHARDSON. 26th March 1868.	1044. THOMAS ROUTLEDGE, of Ford Works, near Sunderland, Paper Manufacturer, and WILLIAM HENRY RICHARDSON, of Springwell Paper Works, Jarrow-on-Tyne, Paper Manufacturer, for an invention for—"Improvements in bleaching esparto and other fibrous substances used in paper-making." <i>Provisional protection only.</i>
WARNER. 27th March 1868.	1045. ARTHUR WARNER, of Laurence Pountney Lane, in the City of London, for an invention for—"Improvements in the manufacture of cement." <i>Letters Patent sealed.</i>
HOLMAN. 27th March 1868.	1046. STEPHEN HOLMAN, of No. 10, Laurence Pountney Lane, in the City of London, Engineer, for an invention for—"Improvements in the construction and application of steam pumps, parts of which improvements are also applicable to other pumps, blast engines, exhausters and other machines, also improvements in hydraulic lifts and the mode of working the same." <i>Letters Patent sealed.</i>
BATES. TAYLOR. 27th March 1868.	1047. ISAAC BATES, Manager, and JOHN TAYLOR, Engineer, both of Dukinfield, in the County of Chester, for an invention for—"An apparatus for cleaning the flues of boilers and boiler seatings." <i>Letters Patent sealed.</i>

- SCOTT.
27th March 1868. 1048. ADAM SCOTT, of 3, Blomfield Crescent, Paddington, in the County of Middlesex, for an invention for—"The production of an alcoholic fermented dry, sweet or effervescent drink, of which tea or coffee or theine or caffeine is an essential ingredient." *Letters Patent sealed.*
- MAURICE.
27th March 1868. 1049. JOSEPH MAURICE, of Langham Place, in the County of Middlesex, Dentist, for an invention for—"Improvements in the means or method of producing optical illusions." *Provisional protection only.*
- BAUMAN.
27th March 1868. 1050. FREDERIK BAUMAN, of No. 11, Wellington Street, Strand, in the County of Middlesex, Gentleman, for an invention for—"The preparation of a certain combination of chemical substances, and its novel application to the treatment of wood or other fibrous material in the preparation of paper pulp." *Letters Patent sealed.*
- HODGKINSON.
27th March 1868. 1051. GEORGE HODGKINSON, of Manchester, in the County of Lancaster, for an invention for—"Improvements in the method of producing designs or patterns upon woven fabrics." *Letters Patent sealed.*
- DAVIES.
27th March 1868. 1052. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction, arrangement and application of steam-engines."—*A communication to him from abroad by Ferdinand Michel Ernest Nillus, of Paris, in the Empire of France, Engineer.* *Letters Patent sealed.*
- ADIE.
27th March 1868. 1053. PATRICK ADIE, of Pall Mall, in the County of Middlesex, Mathematical Instrument Maker, for an invention for—"Improvements in means and apparatus for shearing sheep and clipping horses and other animals." *Letters Patent sealed.*
- BROOMAN.
27th March 1868. 1054. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Laurent Bovy, of Liège, Belgium.* *Provisional protection only.*
- JAMES.
27th March 1868. 1055. CHARLES BARTLEET JAMES, of Redditch, in the County of Worcester, Needle Manufacturer, for an invention for—"Improvements in securing and wrapping up needles." *Provisional protection only.*
- NEWTON.
27th March 1868. 1056. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in engines for obtaining motive-power by means of steam, air, gases or fluids."—*A communication to him from abroad by Claude Ferdinand Lacombe, of Chalons-sur-Saône, in the Empire of France.* *Letters Patent sealed.*
- JONES.
DE LA RUE.
27th March 1868. 1057. HENRY JONES, junr., of Soho Square, and WILLIAM FREDERICK DE LA RUE, of Bunhill Row, both in the County of Middlesex, for an invention for—"Improvements in whist counters." *Letters Patent sealed.*
- JONES.
27th March 1868. 1058. JAMES GRAFTON JONES, of the Blaina Iron Works, near Newport, in the County of Monmouth, for an invention for—"Improvements in apparatus for hauling minerals in mines and for raising water from mines and other places." *Letters Patent sealed.*
- HUGHES.
27th March 1868. 1059. WALTER WATSON HUGHES, of 48, Porchester Terrace, in the County of Middlesex, for an invention for—"Improvements in apparatus for propelling and steering vessels and in forcing water." *Letters Patent sealed.*
- LISTER.
27th March 1868. 1060. SAMUEL CUNLIFFE LISTER, of Manningham, near Bradford, in the County of York, for an invention for—"Improvements in the manufacture of cut-pile fabrics." *Provisional protection only.*
- HUGHES.
JONES.
27th March 1868. 1061. HENRY HUGHES, of Bristol, in the County of Gloucester, Builder, and CHARLES JONES, of Wolverhampton, in the County of Stafford, Lockmaker, for an invention for—"Improvements in locks and keys." *Letters Patent sealed.*
- FILDES.
28th March 1868. 1062. JOHN GUEST FILDES, of Elton, Bury, in the County of Lancaster, for an invention for—"An improved bearer or support for conveying ladles containing molten metal." *Provisional protection only.*
- CURRIE.
28th March 1868. 1063. THOMAS CHARLES CURRIE, of Kensington, in the County of Middlesex, Gentleman, for an invention for—"An improved process for the preservation of milk." *Provisional protection only.*

WARREN. STUCKEY. FROUD. 28th March 1868.	1064. HENRY GEORGE WARREN, and SAMUEL STUCKEY, both of Deptford, in the County of Kent, and PHILIP FROUD, of Greenwich, in the same County, for an invention for—"Improvements in revolving iron shutters." <i>Letters Patent sealed.</i>
MACINTOSH. BOGGETT. 28th March 1868.	1065. JOHN MACINTOSH, of North Bank, Regent's Park, and WILLIAM BOGGETT, of Lindsey Houses, Chelsea, both in the County of Middlesex, for an invention for—"Improvements in boots and shoes." <i>Letters Patent sealed.</i>
JOYNER. 28th March 1868.	1066. CHARLES JOYNER, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in water-slide gaseliers." <i>Provisional protection only.</i>
COOMBE. POOLE. 28th March 1868.	1067. JAMES CANE COOMBE, of Charles Street, Holloway, in the County of Middlesex, Chemist, and JOHN POOLE, of Riley Street, Chelsea, in the said County, Engineer, for an invention for—"Improvements in coating iron, steel and such like surfaces, and protecting and preserving them from the corrosive action of sea or salt water, and the oxidizing influences of damp air, wet and moisture." <i>Provisional protection only.</i>
ADDIS. 28th March 1868.	1068. WILLIAM JUDSON ADDIS, of Tanna, in the Presidency of Bombay, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
GEDGE. 28th March 1868.	1069. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus for moistening postage and other stamps, to prepare them for application."— <i>A communication to him from abroad by Victor Mollard, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
LAKE. 28th March 1868.	1070. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in filters."— <i>A communication to him from abroad by Henry Torstrick, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
ARMSTRONG. 30th March 1868.	1071. HENRY ARMSTRONG, of Tow Law, in the County of Durham, Blacksmith, for an invention for—"Improvements in the manufacture of steel and homogeneous iron." <i>Provisional protection only.</i>
ORMROD. 30th March 1868.	1072. OLIVER ORMROD, of Eagley, near Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for washing, bleaching, dyeing and scouring hanks and cops of yarns and thread, woven fabrics and other articles." <i>Letters Patent sealed.</i>
CLAUS. 30th March 1868.	1073. CARL FRIEDRICH CLAUS, of Middlesbrough-on-Tees, in the County of York, Chemist, for an invention for—"Improvements in the manufacture of iron." <i>Provisional protection only.</i>
CLAUS. 30th March 1868.	1074. CARL FRIEDRICH CLAUS, of Middlesbrough-on-Tees, in the County of York, Chemist, for an invention for—"Improvements in the manufacture of malleable iron, and in the process of re-heating the same for the purpose of rolling or hammering it." <i>Provisional protection only.</i>
MITFORD. 30th March 1868.	1075. BERTRAM MITFORD, of Cheltenham, in the County of Gloucester, for an invention for—"Improvements in apparatus for communicating with deaf and dumb or deaf or dumb persons." <i>Letters Patent sealed.</i>
JOHNSON. 30th March 1868.	1076. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of cast steel and malleable iron from cast iron, and in the apparatus or means employed therein."— <i>A communication to him from abroad by Francis Ellershausen, of Ottawa, in the Dominion of Canada, Metallurgist.</i> <i>Provisional protection only.</i>
JOHNSON. 30th March 1868.	1077. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment of cork and in the manufacture of a new compound or material therefrom, applicable to various useful purposes."— <i>A communication to him from abroad by Henry Hauer and William Howell, both of the City of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>

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| <p>JOHNSON.
30th March 1868.</p> | <p>1078. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of cast steel and in furnaces to be employed therein, which furnaces are also applicable to the re-melting of metals generally."—<i>A communication to him from abroad by Francis Ellershausen, of Ottawa, in the Dominion of Canada, Metallurgist.</i>
<i>Letters Patent sealed.</i></p> |
| <p>HADLAND.
30th March 1868.</p> | <p>1079. JAMES FRANCIS HADLAND, of Birmingham, in the County of Warwick, for an invention for—"Improvements in metal ties for securing bales of cotton or other substance."—<i>A communication to him from abroad by John Edson Sweet, of Syracuse, New York, United States of America, Engineer.</i>
<i>Provisional protection only.</i></p> |
| <p>WIRTH.
30th March 1868.</p> | <p>1080. FRANCIS WIRTH, of the firm of Wirth and Company, Patent Agents, Frankfort-on-the-Maine, Germany, for an invention for—"An improved mode of and apparatus for stopping or retarding the progress of railway trains."—<i>A communication from George Krauss, a person resident at Munich, Bavaria.</i>
<i>Letters Patent sealed.</i></p> |
| <p>DAY.
30th March 1868.</p> | <p>1081. JOHN MARSH DAY, of Trinity Square, Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in decorticating seeds and oil nuts, and in the machinery employed therein." <i>Provisional protection only.</i></p> |
| <p>WALKER.
30th March 1868.</p> | <p>1082. ANDREW BARCLAY WALKER, of Warrington, in the County of Lancashire, Brewer, for an invention for—"Improvements in the application of hot blast or heated air for evaporating salt brine and other liquids, sugar or chemicals, also for heating gas and oil retorts, raising steam in boilers, boiling worts in breweries and distilleries, which improvements are also applicable for bleaching, tanning and baking, likewise improvements in apparatus used in some of the aforesaid applications." <i>Letters Patent sealed.</i></p> |
| <p>TYSON.
30th March 1868.</p> | <p>1083. CHARLES SHOEMAKER TYSON, of the County of Prince George, in the State of Maryland and United States of America, Engineer, for an invention for—"Improved mechanism for taking up the recoil of heavy ordnance." <i>Complete specification; Letters Patent sealed.</i></p> |
| <p>WALKER.
WHARRIE.
30th March 1868.</p> | <p>1084. JAMES WALKER, Engineer, and JOHN WHARRIE, Foreman Ironfounder, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for the manufacture of cast-iron pipes and similar articles." <i>Letters Patent sealed.</i></p> |
| <p>JORDAN.
30th March 1868.</p> | <p>1085. JOHN JORDAN, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction of fire-bars for furnaces." <i>Letters Patent sealed.</i></p> |
| <p>AUSTIN.
31st March 1868.</p> | <p>1086. WILLIAM AUSTIN, of Greville Street, Hatton Garden, in the County of Middlesex, Match and Box Manufacturer, for an invention for—"Improvements in the composition, boxes and surfaces for obtaining instantaneous light from chemically prepared matches intended to be ignited by friction." <i>Letters Patent sealed.</i></p> |
| <p>TAYLOR.
31st March 1868.</p> | <p>1087. FREDERICK TAYLOR, of Carey Street, in the County of Middlesex, for an invention for—"Improvements in the fittings of railway carriages." <i>Letters Patent sealed.</i></p> |
| <p>ALLEN.
31st March 1868.</p> | <p>1088. WILLIAM ALLEN, of Port Street, in the City of Manchester, Manufacturer of Pumps, Valves, Taps and Boiler Mountings, for an invention for—"Improvements in diminishing valves and steam traps for steam pipes." <i>Provisional protection only.</i></p> |
| <p>SINCLAIR.
31st March 1868.</p> | <p>1089. JAMES SINCLAIR, of Stirling, in the County of Stirling, North Britain, Engineer, for an invention for—"Improvements in screw propellers." <i>Letters Patent sealed.</i></p> |
| <p>HAWTHORN-
THWAITE.
ABBOTT.
31st March 1868.</p> | <p>1090. MILES HAWTHORNTHWAITE, of Lancaster, Clerk, and THOMAS ABBOTT, of Lancaster, Plumber, both of the County of Lancaster, for an invention for—"Improvements in taps, cocks or valves for water, gas, steam or other liquids." <i>Letters Patent sealed.</i></p> |
| <p>WOODCOCK.
31st March 1868.</p> | <p>1091. HENRY BROOK WOODCOCK, of Low Moor, near Bradford, in the County of York, Forge Manager, for an invention for—"A new manufacture of metal for axles, shafts, rails, tyres and other purposes." <i>Provisional protection only.</i></p> |

LENT.
31st March 1868.

1092. JULIUS LENT, of Berlin, in the Kingdom of Prussia, Engineer, for an invention for—"Improvements in electric telegraphs and in apparatus connected therewith."
Provisional protection only.

RIVIÈRE.
31st March 1868.

1093. LOUIS FOYAMOUR PONIATOWSKY RIVIÈRE, of Mark Lane, in the County of Middlesex, Merchant, for an invention for—"An improved velocipede."
Provisional protection only.

WESTON.
31st March 1868.

1094. JOHN HENRY WESTON, of Kennington Road, in the County of Surrey, Gas Engineer, for an invention for—"Improvements in the means or apparatus for lighting and ventilating the interior of buildings, combining a decorative effect."
Provisional protection only.

BESSEMER.
31st March 1868.

1095. HENRY BESSEMER, of Queen Street Place, Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of malleable iron and steel, in the heating and melting of metals, and in the machinery or apparatus employed for such purposes."
Letters Patent sealed.

JOHNSON.
31st March 1868.

1096. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing-machines."
—A communication to him from abroad by George Rehfsuss, of Philadelphia, in the United States of America.
Letters Patent sealed.

COULDREY.
1st April 1868.

1097. THOMAS COULDREY (junr.), of Kirkdale, near Liverpool, in the county of Lancaster, for an invention for—"Improvements in pumps for ships and other purposes, and in the construction of buckets or valves for the same."
Letters Patent sealed.

DOTY. —
GRAVELEY.
1st April 1868.

1098. HENRY HARRISON DOTY, of 15, Bury Street, S.W., in the County of Middlesex, Gentleman, and GEORGE GRAVELEY, of 29, Alfred Street, Bow, in the County of Middlesex, Engineer, for an invention for—"Improvements in the means or apparatus for producing the more complete combustion of gas, paraffin and other liquid hydrocarbons."
Letters Patent sealed.

SCATCHARD.
1st April 1868.

1099. ALFRED SCATCHARD, of No. 4, Cambridge Road, Mile End, in the County of Middlesex, for an invention for—"Improvements in the apparatus used in the manufacture of aerated bread."
Letters Patent sealed.

WIER.
WIER.
1st April 1868.

1100. ARTHUR McNUTT WIER, and MARSHALL ARTHUR WIER, both of Elm Lodge, Newton Road, Bayswater, in the County of Middlesex, for an invention for—"Improvements in pneumatic apparatus employed in transmitting motive-power for signalling and indicating or for other purposes."
Provisional protection only.

SLEIGH.
PYE.
1st April 1868.

1101. WILLIAM ARTHUR WARNER SLEIGH, of Bayswater, in the County of Middlesex, Esquire, and ANNIE PYE, of Paris, in the Empire of France, Widow, temporarily resident at Howard Street, Strand, London, for an invention for—"An improved appliance for protecting trousers from mud."—A communication to them from abroad by Henri Fritz Fritch, of Senlis, Oise, France.
Provisional protection only.

SMITH.
1st April 1868.

1102. WILLIAM SMITH, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of pig iron."
Provisional protection only.

APPLETON.
1st April 1868.

1103. LEONARD APPLETON, of 6, Princess Terrace, St. Mark's Square, Regent's Park, in the County of Middlesex, for an invention for—"An improved method for calculating interest and apparatus therefor."
Provisional protection only.

DAVIES.
1st April 1868.

1104. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of centrifugal ventilators or fans."—A communication to him from abroad by Marc Reichenbach and Samuel Golay, both of Paris, in the Empire of France.
Letters Patent sealed.

NORRIS.
QUARM.
1st April 1868.

1105. JAMES NORRIS, and THOMAS QUARM, both of the firm of Charles Jeakes and Company, of Great Russell Street, Bloomsbury, in the County of Middlesex, Engineers, for an invention for—"Improvements in cooking apparatus."
Letters Patent sealed.

- WALKER.
CANDLIN.
1st April 1868.
1106. JACOB WALKER, of Wolverhampton, in the County of Stafford, and JOHN CANDLIN, of the same place, Machinists, for an invention for—"Improvements in flooring, sash and bench cramps."
Provisional protection only.
- KYNOC.
WHITEHILL.
1st April 1868.
1107. GEORGE KYNOC, of Birmingham, in the County of Warwick, Percussion Cap Manufacturer, and WILLIAM WHITEHILL, of the same place, Manager, for an invention for—"Improvements in cartridges."
Letters Patent sealed.
- CLISSOLD.
1st April 1868.
1108. WILLIAM CLISSOLD, of Dudbridge Works, near Stroud, in the County of Gloucester, Engineer, for an invention for—"Improvements in belt fastenings, which improvements are also applicable to the uniting of parts of harness."
Letters Patent sealed.
- MORISON.
1st April 1868.
1109. ROBERT JOSEPH MORISON, of 2, Great St. Helen's, Bishopgate Street, City of London, Merchant, for an invention for—"Improvements in cotton gins."—*A communication to him from abroad by Messrs. Joseph H. Adams and Coombs, of New York, United States of America.*
Letters Patent sealed.
- LAKE.
1st April 1868.
1110. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for manufacturing horse-shoe nails."—*A communication to him from abroad by Silas Safford Putnam, of Dorchester, Massachusetts, United States of America.*
Complete specification; Letters Patent sealed.
- DUFORT.
GANCE.
1st April 1868.
1111. JEAN HIPPOLYTE DUFORT, Merchant, and DOMINIQUE GANCE, Mechanician, both of 29, Boulevard St. Martin, Paris, in the French Empire, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed.
- SAXBY.
2nd April 1868.
1112. JOHN SAXBY, of the firm of Saxby and Farmer, Railway Signal Engineers, Kilburn, W., for an invention for—"Improvements in apparatus for actuating, locking and regulating railway switches, points and signals."
Provisional protection only.
- LEAHY.
2nd April 1868.
1113. EDMUND LEAHY, of 21, Cardington Street, Euston Square, London, Civil Engineer, for an invention for—"An improved moveable railway for ordinary carriages."
Provisional protection only.
- BAKER.
2nd April 1868.
1114. THOMAS BAKER, of No. 17, Buckingham Villas, Stratford, in the County of Essex, for an invention for—"Improvements in umbrellas, sunshades and parasols."
Letters Patent sealed.
- JACKSON.
HARTLEY.
2nd April 1868.
1115. ANDREW JACKSON, of the City of Manchester, in the County of Lancaster, Braid Manufacturer, and JOHN HARTLEY, of the same place, Foreman Mechanic, for an invention for—"Improvements in braiding machines."
Letters Patent sealed.
- LAFONE.
NICHOLAS.
nd April 1868.
1116. HENRY LAFONE, of Liverpool, in the County of Lancaster, Merchant, and JAMES NICHOLAS, of the same place, Oil Refiner, for an invention for—"Improvements in the mode of and means or furnaces for burning petroleum and other like liquids."
Letters Patent sealed.
- DALE.
MILNER.
2nd April 1868.
1117. JOHN GALLEMORE DALE, and EDWARD MILNER, of Warrington, in the County of Lancaster, for an invention for—"An improved method of producing white pigments from lead."
Letters Patent sealed.
- ROBERTSON.
2nd April 1868.
1118. WILLIAM ROBERTSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in machinery or apparatus for making mitre or other angular joints."—*A communication to him from abroad by James Douglas Robertson, of Valencia, in the Kingdom of Spain.*
Provisional protection only.
- NAPIER.
2nd April 1868.
1119. JOHN NAPIER, of Glasgow, Engineer and Shipbuilder, for an invention for—"Improvements in apparatus for steering ships and vessels."
Letters Patent sealed.
- BOARDMAN.
2nd April 1868.
1120. WILLIAM EDWIN BOARDMAN, of 29, Boulevard St. Martin, Paris, in the French Empire, and of 53, Chancery Lane, London, for an invention for—"A new and useful improved steam and water packing for use in packing stuffing boxes of steam-engines, making joints and other like purposes."—*A communication to him by Mr. William C. Selden, Engineer, a person residing at Brooklyn, King's County, State of New York.*
Complete specification; Letters Patent sealed.

WALMSLEY. WALMSLEY. 3rd April 1868.	1121. JAMES and THOMAS WALMSLEY, of Little Harwood, in the County of Lancaster, for an invention for—"Certain improvements in apparatus to be employed for warping and beaming yarns or threads." <i>Letters Patent sealed.</i>
DE METZ. 3rd April 1868.	1122. AUGUSTUS DE METZ, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in commodos or vessels to be used as waterclosets, expectorating utensils or for other purposes." <i>Provisional protection only.</i>
CROSLAND. 3rd April 1868.	1123. JAMES STEAD CROSLAND, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in or applicable to steam-engines." <i>Letters Patent sealed.</i>
ABEL. 3rd April 1868.	1124. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved process and apparatus for refining camphor."— <i>A communication to him from abroad by Charles Emile Perret, Chemist, of No. 23, Boulevard de Strasbourg, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
WALLACE. 3rd April 1868.	1125. JOHN WALLACE, of Glasgow, in the County of Lanark, North Britain, Agricultural Implement Maker, for an invention for—"Improvements in apparatus for digging potatoes." <i>Letters Patent sealed.</i>
McCULLOCH. 3rd April 1868.	1126. JAMES McCULLOCH, of Shawlands, in the County of Renfrew, North Britain, for an invention for—"Improvements in utilising old or waste tarpaulin in the manufacture of grease and other useful products, and in apparatus therefor." <i>Provisional protection only.</i>
HARWOOD. 3rd April 1868.	1127. JOHN HARWOOD, of Blackburn, in the County of Lancaster, Sewing-Machine Maker, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
BALDWIN. 3rd April 1868.	1128. CYRUS W. BALDWIN, of Boston, in the County of Suffolk and State of Massachusetts, United States of America, for an invention for—"A new and useful device or instrument for measuring and registering the amount of a flowing liquid." <i>Complete specification; Letters Patent sealed.</i>
MARTIN. 3rd April 1868.	1129. ALEXANDER MARTIN, of Middle Street, Clothfair, in the County of Middlesex, Bonnet Shape Manufacturer, for an invention for—"Improvements in bonnet shapes." <i>Provisional protection only.</i>
JOHNSON. 3rd April 1868.	1130. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of cast steel and malleable iron from cast iron, and in the apparatus or means employed therein."— <i>A communication to him from abroad by Francis Ellershausen, of Ottawa, in the Dominion of Canada, Metallurgist.</i> <i>Letters Patent sealed.</i>
JONES. WILLIAMS. 3rd April 1868.	1131. JEROME VALENTINE JONES, and GEORGE JAMES WILLIAMS, both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in the manufacture of ornamental metallic tubes." <i>Letters Patent sealed.</i>
PIGGOTT. 3rd April 1868.	1132. GEORGE PIGGOTT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in electric telegraphs." <i>Provisional protection only.</i>
WILLIAMS. 3rd April 1868.	1133. WILLIAM WILLIAMS, of Tividale, in the County of Stafford, Tin Plate Manufacturer, for an invention for—"Improvements in the manufacture of tin andterne plates." <i>Letters Patent sealed.</i>
TONGUE. 3rd April 1868.	1134. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in lamps or apparatus for lighting or illuminating purposes."— <i>A communication to him from abroad by Casimir Rakowski, Manufacturer, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
ROW. SCOTT. 3rd April 1868.	1135. THOMAS ROW, of Old Ford, Bow, in the County of Middlesex, and SAMUEL SCOTT, of the firm of Scott, Cuthbertson and Company, Paper Stainers, of Chelsea, in the County of Middlesex, for an invention for—"Improvements in the manufacture of paper hangings." <i>Letters Patent sealed.</i>
BUTCHER. 4th April 1868.	1136. HENRY CHARLES BUTCHER, of No. 17, Wellington Street, Strand, in the County of Middlesex, for an invention for—"An improved tobacco pipe." <i>Provisional protection only.</i>

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| <p>COCHRANE.
4th April 1868.</p> <p>JOHNSON.
4th April 1868.</p> <p>CALVERT.
4th April 1868.</p> <p>FAUCHEUX.
4th April 1868.</p> <p>ILLINGWORTH.
ILLINGWORTH.
4th April 1868.</p> <p>DE MASSAS.
4th April 1868.</p> <p>GREENSTREET.
4th April 1868.</p> <p>NABBS.
4th April 1868.</p> <p>TURNBULL.
4th April 1868.</p> <p>DAVIES.
4th April 1868.</p> <p>MACIVOR.
4th April 1868.</p> <p>GRIFFITHS.
JEAVONS.
4th April 1868.</p> <p>BRYCESON.
BRYCESON.
MORTEN.
6th April 1868.</p> <p>CRICHTON.
DONBAVAND.
CRIGHTON.
6th April 1868.</p> | <p>1137. HENRY COCHRANE, of the Longlands, Middlesborough-on-Tees, in the County of York, for an invention for—"Improvements in blast furnaces."
<i>Letters Patent sealed.</i></p> <p>1138. WILLIAM JOHNSON, of Stanhope Villa, Campden Hill, Kensington, in the County of Middlesex, England, Gentleman, for an invention for—"New or improved machinery for compressing and moulding coal, peat, clay and other plastic materials."
<i>Provisional protection only.</i></p> <p>1139. FRANCIS ALTON CALVERT, of the City of Manchester, Engineer, for an invention for—"Improvements in machinery for cleaning and preparing cotton and other fibrous substances, also for selecting the long from the short fibres, and for opening twisted yarns and woven fabrics."
<i>Letters Patent sealed.</i></p> <p>1140. THEODORE FAUCHEUX, of Caversham Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of axles of the wheels of railway rolling stock and other vehicles, and other axles and driving shafts."
<i>Provisional protection only.</i></p> <p>1141. ALFRED ILLINGWORTH, and HENRY ILLINGWORTH, both of Bradford, in the County of York, Worsted Spinners, for an invention for—"Improvements in means or apparatus employed in folding worsted or other yarns."
<i>Letters Patent sealed.</i></p> <p>1142. FRANÇOIS ANTOINE EDMOND GUIRONNET DE MASSAS, of Hoxton, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for cleaning cotton seeds."
<i>Letters Patent sealed.</i></p> <p>1143. FRANCIS HASTINGS GREENSTREET, of Pattingham, near Wolverhampton, in the County of Stafford, for an invention for—"Improvements in targets, arrows, darts and other projectiles, more especially adapted for indoor use and amusement."
<i>Letters Patent sealed.</i></p> <p>1144. RICHARD NABBS, of No. 6, Peckwater Street, Kentish Town Road, in the County of Middlesex, for an invention for—"Improvements in locks and latches."
<i>Letters Patent sealed.</i></p> <p>1145. CHARLES EDWARD TURNBULL, of Saint Paul's Crescent, Camden Square, in the County of Middlesex, for an invention for—"Improvements in paper binders or eyelets, and in means or apparatus for fixing together papers and other articles by means of such and other paper binders or eyelets."
<i>Provisional protection only.</i></p> <p>1146. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in apparatus for washing and separating ores and other materials."—<i>A communication to him from abroad by Max Braun, of Vieille Montagne, in Westphalia.</i>
<i>Letters Patent sealed.</i></p> <p>1147. DUNCAN CAMPBELL MACIVOR, of Asknish, Loch Gair House, in the County of Argyll, North Britain, for an invention for—"Improvements in propelling ships and in the means or apparatus employed therefor."
<i>Letters Patent sealed.</i></p> <p>1148. JOHN GRIFFITHS, of Chesterfield, in the County of Derby, Manager at Sheepbridge Iron Works, and JOSHUA JEAVONS, of Sheffield, in the County of York, Manager of the Atlas Iron Works, for an invention for—"Improvements in the manufacture of piles of iron or steel, or of iron and steel, for the manufacture of rails, angles, axles, tyres, shafts and other articles."
<i>Provisional protection only.</i></p> <p>1149. HENRY BRYCESON, JOHN BRYCESON, and THOMAS HONOR MORTEN, all of 4, Stanhope Street, Euston Road, in the Parish of Saint Pancras, Middlesex, for an invention for—"Improvements in the construction of organs and in the application of electricity thereto."
<i>Letters Patent sealed.</i></p> <p>1150. DAVID CRICHTON, of the City of Manchester, in the County of Lancaster, Machinist, WILLIAM DONBAVAND, of the same place, Scale Beam and Weighing Machine Manufacturer, and DUNCAN CRIGHTON, of the same place, Engineer, for an invention for—"Improvements in looms for weaving."
<i>Provisional protection only.</i></p> |
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HAY. 6th April 1868.	1151. EUGENE HAY, of No. 83, Lombard Street, in the City of London, for an invention for—"Improvements in means or apparatus for measuring and indicating the passage or flow of liquids."— <i>A communication to him from abroad by Claude Marie Bathias, of 164, Rue Montmartre, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
DUNBAR. NICHOLSON. 6th April 1868.	1152. JAMES DUNBAR, of 49, Vicarage Road, Camberwell, S.E., Engineer, and RICHARD NICHOLSON, of Dulwich, S.E., Gentleman, both in the County of Surrey, for an invention for—"Improvements in the construction and arrangement of machinery or apparatus for supplying coal, cannel or other substances to retorts or ovens, and for withdrawing the same after distillation, also improvements in retorts, retort chambers, mouthpieces, doors, covers or lids." <i>Letters Patent sealed and specification filed by order.</i>
MORELAND. THOMSON. 6th April 1868.	1153. RICHARD MORELAND the younger, and DAVID THOMSON, both of No. 3, Old Street, Saint Luke's, in the County of Middlesex, for an invention for—"Improvements in pumping engines and steam-boilers therefor, which steam-boilers are also applicable to other purposes." <i>Letters Patent sealed.</i>
GARDNER. BICKERTON. 6th April 1868.	1154. CHARLES HENRY GARDNER, of West Harding Street, in the City of London, Printing Machine Manufacturer, and JOSEPH BICKERTON, of Oldham, in the County of Lancaster, Engineer, for an invention for—"Improvements in lithographic, zincographic and typographic printing machines." <i>Letters Patent sealed.</i>
MENNONS. 6th April 1868.	1155. MARC ANTOINE FRANÇOIS MENNON, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of No. 53, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"Improvements in apparatus for the transmission and reception of typographic or autographic telegrams."— <i>A communication from Henry Cook, a person resident at Florence, in the Kingdom of Italy.</i> <i>Letters Patent sealed.</i>
PLESSNER. 6th April 1868.	1156. JOHANN MAXIMILIAN PLESSNER, of No. 53, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"Improvements in the mode of and apparatus for obtaining motive-power." <i>Letters Patent sealed.</i>
RADCLIFFE. 6th April 1868.	1157. JAMES RADCLIFFE, of Consett Iron Works, in the County of Durham, for an invention for—"Improvements in processes and means employed in the manufacture of iron and steel." <i>Provisional protection only.</i>
PERRY. 6th April 1868.	1158. JOHN PERRY, of Rathdowney Brewery, in the Queen's County, Brewer, for an invention for—"Improvements in packing bottles and similar articles, and in cases or holders therefor." <i>Letters Patent sealed.</i>
DESNOS. 6th April 1868.	1159. CHARLES DESNOS, of 29, Boulevard St. Martin, Paris, in the French Empire, and of 53, Chancery Lane, London, Patent Agent, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him by Mr. Charles Ferdinand Zorès, Civil Engineer, a person residing at 29, Boulevard St. Martin, Paris.</i> <i>Complete specification: Letters Patent sealed.</i>
HOLT. SPENCER. 6th April 1868.	1160. THOMAS HOLT, and HENRY SPENCER, both of Rochdale, in the County of Lancaster, Agents, for an invention for—"Improvements in machinery for spinning and doubling cotton and other fibrous substances." <i>Provisional protection only.</i>
NEWTON. 6th April 1868.	1161. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in bathing shoes."— <i>A communication to him from abroad by Mr. Louis Desiré Jeandron-Ferry, of No. 95, Boulevard Beaumarchais, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 6th April 1868.	1162. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in anchors."— <i>A communication to him from abroad by George A. Lloyd and Charles A. Stewart, both of San Francisco, State of California, United States of America.</i> <i>Letters Patent sealed.</i>
CASSON. 6th April 1868.	1163. JOHN CASSON, of No. 10, Saint James's Street, in the Parish of Sheffield, in the County of York, Mechanical Draughtsman, for an invention for—"Improvements in machinery for planing wood." <i>Letters Patent sealed.</i>

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| <p>WATTEEU.
7th April 1868.</p> <p>HOLIDAY.
7th April 1868.</p> <p>DITMARS.
7th April 1868.</p> <p>HOLLEY.
7th April 1868.</p> <p>NALL.
7th April 1868.</p> <p>NEWBY.
7th April 1868.</p> <p>FISHER.
7th April 1868.</p> <p>SIMPSON.
HARDWICK.
7th April 1868.</p> <p>SIEMENS.
7th April 1868.</p> <p>SHERWOOD.
7th April 1868.</p> <p>LOWNDES.
7th April 1868.</p> <p>ARMSTRONG.
7th April 1868.</p> <p>McMAHON.
7th April 1868.</p> <p>LANE.
7th April 1868.</p> | <p>1164. EMILE WATTEEU, of Vulcan Works, Middlesborough-on-Tees, in the County of York, for an invention for—"Improvements in screw taps and in the mode of fixing the same."
<i>Letters Patent sealed.</i></p> <p>1165. RICHARD HOLIDAY, of 214, High Street, Poplar, Middlesex, for an invention for—"Improved means and apparatus for the prevention of accidents at facing points on railways."
<i>Provisional protection only.</i></p> <p>1166. HENRY JAMES DITMARS, of 4, Pancras Lane, in the City of London, for an invention for—"Improvements in apparatus for the consumption of smoke."—<i>A communication to him from abroad by Augustus Wilhelms and Johannes Marinus Van der Made, both of Dordrecht, Netherlands.</i>
<i>Letters Patent sealed.</i></p> <p>1167. ALEXANDER LYMAN HOLLEY, at present residing in Harrisburgh, in the United States of America, for an invention for—"Improvements in the manufacture of iron and steel."
<i>Complete specification; Letters Patent sealed.</i></p> <p>1168. WILLIAM NALL, of Leicester, in the County of Leicester, for an invention for—"An improved apparatus for holding and igniting matches."
<i>Letters Patent sealed.</i></p> <p>1169. EDWIN HENRY NEWBY, of No. 39A, King William Street, in the City of London, Civil Engineer, for an invention for—"An improved boat-detaching apparatus."—<i>A communication to him from abroad by Jacob Heinrich Gustav Lange and Theodor Zeise, both of Ottensen, Germany.</i>
<i>Letters Patent sealed.</i></p> <p>1170. HENRY FISHER, of Sheffield, in the County of York, Manufacturer, for an invention for—"Improvements in constructing the handles of tea-pots, coffee-pots, or other vessels intended to contain heated liquids."
<i>Provisional protection only.</i></p> <p>1171. FREDERICK SIMPSON, of Handsworth, in the County of Stafford, Machine Fitter, and SAMUEL HARDWICK, of Handsworth, aforesaid, Metal Roller, for an invention for—"Improvements in machinery for rolling sheets or plates of iron for the manufacture of tin and terne plates, which improvements may also be used for rolling sheets of iron for other purposes."
<i>Provisional protection only.</i></p> <p>1172. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the application of gas furnaces to evaporating, smelting, puddling and other manufacturing purposes."
<i>Letters Patent sealed.</i></p> <p>1173. ISAAC SHERWOOD, of Birmingham, in the County of Warwick, Lamp Manufacturer, for an invention for—"Improvements in lamps for burning hydrocarbon oils and spirits."
<i>Provisional protection only.</i></p> <p>1174. ROBERT GILLIES LOWNDES, of the firm of James Young and Sons, Bleachers and Finishers, of Auldhousefield and Crofthead, both in the County of Renfrew, North Britain, for an invention for—"Improvements in finishing textile and other fabrics, and in the machinery or apparatus employed therefor."
<i>Provisional protection only.</i></p> <p>1175. JOHN ARMSTRONG, of Clifton, in the County of Westmorland, Agricultural Implement Maker, for an invention for—"Improvements in harrows."
<i>Letters Patent sealed.</i></p> <p>1176. PATRICK McMAHON, of 3, Johnson's Buildings, Temple, in the City of London, for an invention for—"Destroying the decaying principle in animal substances and articles of food and organic matter, by means of a railroad atmospheric process."—<i>A communication to him from abroad by Matilda Webb, of Melbourne, and Charles Gavan Duffy, of Hawthorn, both in the Colony of Victoria, Australia.</i>
<i>Provisional protection not allowed.</i></p> <p>1177. DENNY LANE, of Cork, Ireland, Secretary to the Cork Gas Consumers' Company, Limited, for an invention for—"Improvements in the manufacture of floor and other cloth or coverings for floors, and in covering floors."
<i>Letters Patent sealed.</i></p> |
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SPENCER. 8th April 1868.	1178. CHARLES GREEN SPENCER, of 35, Old Street, St. Luke's, in the County of Middlesex, for an invention for—"An improved apparatus or machine for enabling persons to support, raise and propel themselves in and through the air, which apparatus when fitted with suitable mechanism and raised, is also self-supporting and self-propelling." <i>Provisional protection NOT allowed.</i>
BEDFORD. 8th April 1868.	1179. JOSEPH BEDFORD, of Leeds, in the County of York, Engineer, for an invention for—"Improved means and apparatus for washing and drying grain." <i>Letters Patent sealed.</i>
CHAUDUN. DEXANT. 8th April 1868.	1180. JULES JOSEPH CHAUDUN, and JEAN JEAN DEXANT, of Rueil Village, near Paris (France), Manufacturers, for an invention for—"Improvements in cartridges for breech-loading fire-arms." <i>Provisional protection only.</i>
JAMES. JONES. 8th April 1868.	1181. JOHN JAMES, of Ebbw Vale, Manager, and THOMAS JONES, of Govilon, Forge and Mill Manager, both in the County of Monmouth, for an invention for—"Improvements in the manufacture of iron into semi-steel or steel." <i>Letters Patent sealed.</i>
PALMER. 8th April 1868.	1182. GEORGE HARDING PALMER, of No. 3, Exchequer Place, in the Parish of Lewisham, in the County of Kent, for an invention for—"An improved spring brace." <i>Letters Patent sealed.</i>
LAKE. 8th April 1868.	1183. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for cutting and working rocks and other hard substances, chiefly designed for mining, tunnelling and other like operations."— <i>A communication to him from abroad by James Asbury McKean, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 8th April 1868.	1184. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of salts of soda."— <i>A communication to him from abroad by Isaac M. Gattman, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
BENINGFIELD. 8th April 1868.	1185. EDWARD BENINGFIELD, of Old Kent Road, in the County of Surrey, for an invention for—"An improved lifting machine applicable as a fire-escape, and for repairing and decorating houses and other buildings." <i>Provisional protection only.</i>
HILL. 8th April 1868.	1186. CHARLES GREY HILL, of Alfred Street, Nottingham, for an invention for—"Improvements in the manufacture of fringes and purl and other edgings or trimmings." <i>Letters Patent sealed.</i>
GALLET. 8th April 1868.	1187. VICTOR GALLET, of Lavausseau de Benassais, Department of the Vienne, in the Empire of France, for an invention for—"Improvements in the manufacture of steel." <i>Letters Patent sealed.</i>
BRASIER. HODGKIN. 8th April 1868.	1188. EDWARD BRASIER, of New Cross, in the County of Surrey, and JOHN ELIOT HODGKIN, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in machinery and processes for scutching, dressing, cleaning, treating and preparing flax, hemp and other vegetable fibrous materials, and the tow of the same." <i>Letters Patent sealed.</i>
HUNT. 8th April 1868.	1189. THOMAS HUNT, of 19, Godolphin Road, New Road, Hammersmith, for an invention for—"Improvements in ordnance and in the mode of working the same." <i>Provisional protection only.</i>
DOUGLAS. 8th April 1868.	1190. CHARLES DOUGLAS, of the City of Edinburgh, for an invention for—"Improvements in cutting the teeth of wheels and in apparatus employed therein." <i>Provisional protection only.</i>
CHAPMAN. 9th April 1868.	1191. WILLIAM CHAPMAN, of No. 324, Kennington Park Road, in the County of Surrey, Leather Seller, for an invention for—"Improved machinery or apparatus for skiving or chamfering leather and other materials." <i>Provisional protection only.</i>
FITTER. 9th April 1868.	1192. JAMES FITTER, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in alarums of the kind known as detonating alarums." <i>Provisional protection only.</i>

- PLEWS.
9th April 1868. 1193. JOHN PLEWS, of No. 1, Rosedale Villa, Grove Road, Hounslow, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam-engines."
Letters Patent sealed.
- RAE.
MILLER.
9th April 1868. 1194. JAMES RAE, of Sydenham, in the County of Kent, Engineer, and GEORGE MILLER, of Glasgow, in the County of Lanark, Rivet Manufacturer, for an invention for—"Improvements in the construction of railway wheels and in the axles and bearings for the same."
Letters Patent sealed.
- STILL.
LANE.
9th April 1868. 1195. ALFRED HENRY STILL, of Rockboro' House, Cork, and DENNY LANE, of 72, South Mall, Cork, for an invention for—"Improvements in the manufacture of gas."
Letters Patent sealed.
- ROBINS.
9th April 1868. 1196. WILLIAM BURNET ROBINS, late of New York, but now residing at 23, South Moulton Street, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in garden engines and other similar hand pumps for throwing jets of water."
Letters Patent sealed.
- WHITEHEAD.
9th April 1868. 1197. JAMES HEYWOOD WHITEHEAD, of the Royal George Mills, near Manchester, Woollen Manufacturer, for an invention for—"Improvements in apparatus for removing soot from the surfaces of heating tubes."
Letters Patent sealed.
- BOUSFIELD.
9th April 1868. 1198. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in dies and in machinery for cutting dies and taps."—*A communication to him from abroad by Benjamin Bee, a person resident at Harwich, in the County of Barstaple, State of Massachusetts, United States of America.*
Letters Patent sealed.
- LEEMING.
9th April 1868. 1199. JOHN LEEMING, of North Holme Mills, Bradford, in the County of York, Machine Maker, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- NEWTON.
9th April 1868. 1200. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in fire-arms and in cartridges for the same."—*A communication to him from abroad by Hiram Berdan, of the City and State of New York, United States of America.*
Letters Patent sealed.
- WRIGHT.
9th April 1868. 1201. ROBERT ALFRED WRIGHT, of Homerton, in the County of Middlesex, Engineer, for an invention for—"Improvements in heating structures and articles, and in the mode of and apparatus for obtaining heat from petroleum and other hydrocarbons, and in apparatus for supplying air to furnaces."
Letters Patent sealed.
- VERSTRAET.
9th April 1868. 1202. LOUIS VERSTRAET, of 29, Boulevard St. Martin, Paris, in the French Empire, Chemist, for an invention for—"Improvements in the means of and apparatus for storing and burning petroleum and other inflammable oils, for heating steam-boilers and other purposes."
Letters Patent sealed.
- SUTCLIFFE.
11th April 1868. 1203. JOHN SUTCLIFFE, of Bradford, in the County of York, for an invention for—"Improvements in outline maps, charts, plans and similar other articles for educational purposes."
Provisional protection only.
- MARSDEN.
11th April 1868. 1204. JOSEPH MARSDEN, of Bolton, in the County of Lancaster, Builder, for an invention for—"Improvements in the construction of beams or girders, floors and roofs for fireproof buildings."
Provisional protection only.
- MARTIN.
BARRETT.
WEBB.
11th April 1868. 1205. CHARLES MARTIN, of Chancery Lane, in the County of Middlesex, Civil Engineer, WILLIAM BARRETT, of Norton, in the County of Durham, Ironmaster, and THOMAS STAMMERS WEBB, of the same place, Metallurgical Chemist, for an invention for—"Improvements in the treatment and reduction of titaniferous iron ores for the manufacture of iron, and in the application of slag or cinder produced in such processes."
Letters Patent sealed.
- BROOMAN.
11th April 1868. 1206. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in photography."—*A communication to him from abroad by Augustin Marion, of Paris, France.*
Provisional protection only.
- BAYLIS.
11th April 1868. 1207. THOMAS HUTCHINSON BAYLIS, of No. 6, Melina Place, St. John's Wood, Middlesex, for an invention for—"Improvements in cribs, cots, bassinets and bedsteads, entitled the patent bed guard."
Provisional protection NOT allowed.

WILSON. 11th April 1868.	1208. JOHN CHARLES WILSON, of 5, Lime Street, in the City of London, Civil and Mechanical Engineer, for an invention for—"Improvements in hydraulic packing presses." <i>Provisional protection only.</i>
NICHOLLS. 11th April 1868.	1209. RICHARD NICHOLLS, of Aldermanbury, in the City of London, Fancy Trimming Manufacturer, for an invention for—"Improvements in self-attaching buttons or ornaments to be applied to ladies' dresses and such like purposes." <i>Provisional protection only.</i>
CLARK. 11th April 1868.	1210. GEORGE CLARK, of No. 9, Northumberland Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the manufacture and production of explosive compounds, and in apparatus for their manufacture and use." <i>Letters Patent sealed.</i>
ARCHEREAU. 11th April 1868.	1211. HENRI ADOLPHE ARCHEREAU, of 29, Boulevard St. Martin, in Paris (France), Chemist, for an invention for—"A new method of obtaining heat and light, and its various applications, and in apparatus connected therewith." <i>Provisional protection only.</i>
HUNTINGTON. 11th April 1868.	1212. SAMUEL WHITMORE HUNTINGTON, of Augusta, in the County of Kennebec and State of Maine, United States of America, for an invention for—"A new and useful mode of preparing or veneering paper, cloth, leather and other substances." <i>Complete specification; Letters Patent sealed.</i>
WOODCOCK. 11th April 1868.	1213. ALEXANDER WOODCOCK, of Edinburgh, North Britain, for an invention for—"An improved mode of and apparatus for suspending pictures." <i>Letters Patent sealed.</i>
MENNONS. 11th April 1868.	1214. MARC ANTOINE FRANÇOIS MENNON, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of No. 53, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"Improvements in apparatus for the preparation of carbonated or effervescent beverages."— <i>A communication from Cerf Mayer, a person resident at No. 26, Boulevard du Prince Eugène, Paris, in France.</i> <i>Letters Patent sealed.</i>
DUBOIS. CASPER. 11th April 1868.	1215. ERNEST DUBOIS, and EDWARD CASPER, both of No. 101, Cannon Street, in the City of London, Merchants, for an invention for—"Improvements in wet gas meters."— <i>A communication to them from abroad by Onésime de Morgny, of Paris, in the Empire of France, Chief Inspector of Meters, in the service of the Parisian Gas Company.</i> <i>Letters Patent sealed and specification filed by order.</i>
BARCLAY. 11th April 1868.	1216. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in apparatus to be used in condensing steam in steam-engines, applicable also to other purposes." <i>Letters Patent sealed.</i>
PATON. 11th April 1868.	1217. GEORGE PATON, of Kilbirnie, in the County of Ayr, North Britain, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
MILLS. 13th April 1868.	1218. BENJAMIN JOSEPH BARNARD MILLS, of 35, Southampton Buildings, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in bleaching, reviving and tinting white and colored feathers and silk fabrics and goods."— <i>A communication to him from abroad by Achille Serre, of Sannois, in the Department of Seine-et-Oise, in the Empire of France.</i> <i>Letters Patent sealed.</i>
ROTHERY. 13th April 1868.	1219. JOSEPH ROTHERY, of Waterloo Main Colliery, near Leeds, in the County of York, Colliery Viewer, for an invention for—"Improvements in machinery or apparatus for getting and hewing coal, stone and other minerals, parts of which improvements are applicable to motive-power engines." <i>Letters Patent sealed.</i>
RIDLEY. ROTHERY. 13th April 1868.	1220. ROBERT RIDLEY, of Birmingham, in the County of Warwick, Engineer, and JOSEPH ROTHERY, of Waterloo Main Colliery, near Leeds, in the County of York, Colliery Viewer, for an invention for—"Improvements in machinery or apparatus for getting and hewing coal, stone and other minerals." <i>Provisional protection only.</i>
SHILLINGTON. 13th April 1868.	1221. THOMAS FOULKES SHILLINGTON, of No. 19, College Square North, Belfast, Ireland, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>

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| <p>FORSTER.
13th April 1868.</p> <p>DONISTHORPE.
13th April 1868.</p> <p>RICHARDSON.
13th April 1868.</p> <p>COMBE.
13th April 1868.</p> <p>HARGROVE.
HARGROVE.
14th April 1868.</p> <p>SMITH.
WOOD.
DON.
14th April 1868.</p> <p>FODEN.
14th April 1868.</p> <p>BRAHAM.
BRAHAM.
14th April 1868.</p> <p>VAUGHAN.
14th April 1868.</p> <p>JOHNSON.
14th April 1868.</p> <p>HUGHES.
14th April 1868.</p> <p>BOULTON.
14th April 1868.</p> <p>BLACKBURN.
BLACKBURN.
14th April 1868.</p> <p>WATTS.
15th April 1868.</p> <p>NEWTON.
15th April 1868.</p> | <p>1222. THOMAS FORSTER, of Streatham, in the County of Surrey, for an invention for—"Improvements in the manufacture of compounds of india-rubber, gutta-percha, balata, parkesine, solid paraffin or vegetable oils and vegetable fibre."
<i>Letters Patent sealed.</i></p> <p>1223. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, Merchant, for an invention for—"Improvements in apparatus for getting coal and other minerals."
<i>Provisional protection only.</i></p> <p>1224. EDWARD RICHARDSON, of 26, Castle Street, Falcon Square, in the City of London, for an invention for—"Improvements in stays or corsets."
<i>Provisional protection only.</i></p> <p>1225. JOHN COMBE, of 113, Kensington Terrace, Great Victoria Street, Belfast, for an invention for—"Improvements in breaking, spreading and drawing flax and other fibrous substances, and in machinery to be used in carrying out such improvements."
<i>Provisional protection only.</i></p> <p>1226. CHARLES HARGROVE, and SAMUEL HARGROVE, junr., both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"An improvement in the manufacture of breech-loading actions."
<i>Provisional protection only.</i></p> <p>1227. THOMAS SMITH, Millwright, of Tenter Lane, Leeds, THOMAS WOOD, Miller, of Birstwith, both in the County of York, and THOMAS DON, Millwright, of Saint John's, Red Hill, in the County of Surrey, for an invention for—"Improvements in manufacturing wheat and other grain into meal and flour, and in machinery and appliances for that purpose."
<i>Letters Patent sealed.</i></p> <p>1228. EDWIN FODEN, of Sandbach, in the County of Chester, for an invention for—"Certain improvements in apparatus to be employed for mowing and reaping."
<i>Provisional protection only.</i></p> <p>1229. ABRAHAM BRAHAM, and LEWIS BRAHAM, both of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of hats or coverings for the head, called 'Sou Westers.'"
<i>Letters Patent sealed.</i></p> <p>1230. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of ceramic tesserae, and in the employment thereof for mural and other decorative purposes."—<i>A communication to him from abroad by Felix Mattei, of Florence, in the Kingdom of Italy, Engineer.</i>
<i>Provisional protection only.</i></p> <p>1231. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in saw handles and in securing the same to saw blades."—<i>A communication to him from abroad by Charles White Hubbard, of Pittsburgh, in the County of Allegheny, State of Pennsylvania, United States of America.</i>
<i>Provisional protection only.</i></p> <p>1232. HESKETH HUGHES, of Homerton, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of 'pipings' and 'folds' or 'plis' of satin or other material."
<i>Provisional protection only.</i></p> <p>1233. MATTHEW PIERS WATT BOULTON, of Tew Park, in the County of Oxford, Gentleman, for an invention for—"Improvements in apparatus for receiving motion or energy from fluids and for imparting it to them, and in apparatus to be used for propulsion or in connection therewith."
<i>Letters Patent sealed.</i></p> <p>1234. BEWICKE BLACKBURN, and ALEXANDER BEWICKE BLACKBURN, of Hans Place, Chelsea, in the County of Middlesex, for an invention for—"Improvements in rafts or stages to carry passengers, merchandize, articles and things at sea and other navigable places, and in the means of propelling the same."
<i>Provisional protection only.</i></p> <p>1235. WILLIAM WATTS, of No. 9, Turner's Court, St. Martin's Lane, in the County of Middlesex, for an invention for—"Improvements in mangles."
<i>Provisional protection only.</i></p> <p>1236. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in breech-loading fire-arms."—<i>A communication to him from abroad by Hermon Funke, of the City and State of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
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GLOVER. 15th April 1868.	1237. GEORGE GLOVER, of Ranelagh Road, Pimlico, in the County of Middlesex, for an invention for—"Certain improvements in the arrangement and construction of submerged or subaqueous lamps, and in the fluid used in and adapted to such lamps."— <i>A communication to him from abroad by M. Michel Van Der Weyde, of St. Petersburg, in the Empire of Russia.</i> <i>Letters Patent sealed.</i>
PAGE. 15th April 1868.	1238. EDWARD PAGE, of the Victoria Iron Works, Bedford, Engineer, for an invention for—"Improvements in fixing the tines of harrows and other agricultural implements." <i>Letters Patent sealed.</i>
FLETCHER. 15th April 1868.	1239. WILLIAM SANDERSON FLETCHER, of Bradford, in the County of York, Machine Maker, for an invention for—"Improvements in machinery for combing or dressing silk, flax, china-grass, cotton and other fibrous substances." <i>Letters Patent sealed.</i>
OXLAND. 15th April 1868.	1240. ROBERT OXLAND, of Compton Gifford, Plymouth, in the County of Devon, for an invention for—"Improvements in the treatment of ores and minerals containing copper, to extract copper therefrom." <i>Letters Patent sealed.</i>
WARD. 15th April 1868.	1241. ROBERT WARD, of the North of England Advertiser Office, Newcastle-upon-Tyne, for an invention for—"Improvements in machinery for spinning or twisting tobacco." <i>Provisional protection only.</i>
BOBY. 15th April 1868.	1242. ROBERT BOBY, of Bury St. Edmunds, in the County of Suffolk, Agricultural Implement Maker, for an invention for—"Improvements in the construction of horse rakes." <i>Letters Patent sealed.</i>
LEIGH. 16th April 1868.	1243. FRANCIS AUGUSTINE LEIGH, of Rose Garland, New Ross, in the County of Wexford, for an invention for—"An improved machine for planting potatoes." <i>Provisional protection only.</i>
BURN. 16th April 1868.	1244. CHARLES BURN, of 3, Middle Scotland Yard, in the City of Westminster, in the County of Middlesex, for an invention for—"An improved mode of and means for propelling or shunting carriages and goods' trucks on locomotive railways, and especially at railway stations." <i>Provisional protection only.</i>
CLARKE. KAY. 16th April 1868.	1245. JOHN CLARKE, of Elton, in the County of Lancaster, Joiner, and ALBERT KAY, of Bury, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of paper." <i>Provisional protection not allowed.</i>
MORGAN. 16th April 1868.	1246. EDWARD AIKMAN MORGAN, of Paisley, in Renfrewshire, North Britain, Thread Manufacturer, for an invention for—"Improvements in the manufacture of the glass rings employed in spinning, twisting and thread making machines, of the class commonly known as ring and traveller throistles." <i>Provisional protection only.</i>
CALLANDER. 16th April 1868.	1247. WILLIAM CALLANDER, of Newton-Stewart, in the County of Wigton, North Britain, for an invention for—"Improvements in apparatus for filling cartridges." <i>Provisional protection only.</i>
WEIR. GRAY. 16th April 1868.	1248. RANKIN WEIR, and JAMES GRAY, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in furnaces for burning oil." <i>Letters Patent sealed.</i>
EVANS. 16th April 1868.	1249. HENRY SUGDEN EVANS, of the firm of Evans, Lescher and Evans, of Bartholomew Close, in the City of London, for an invention for—"Improvements in taps, valves or apparatus for measuring and registering the quantity of liquid passed therethrough." <i>Letters Patent sealed.</i>
JOHNSON. 16th April 1868.	1250. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in heating and ventilating and in apparatus employed therein."— <i>A communication to him from abroad by John Johnson, of Saco, State of Maine, United States of America.</i> <i>Letters Patent sealed.</i>
ROBINSON. 16th April 1868.	1251. JOHN ROBINSON, of the Silicate and Granitic Composition Works, Creek Road, Deptford, in the County of Kent, for an invention for—"Improvements in the manufacture of paint." <i>Letters Patent sealed.</i>
FAIRBURN. 17th April 1868.	1252. HENRY GEORGE FAIRBURN, Engineer, of 45, Goswell Road, E.C., in the County of Middlesex, for an invention for—"Improvements in portable machinery for turning, screw-cutting, boring and slotting, also for cutting off tubes or solid bars into any required lengths." <i>Letters Patent sealed.</i>

- SIEMENS.
17th April 1868. 1253. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in electrical apparatus for transmitting signals and for ascertaining the distance of objects, as also in instruments employed in connection with such signalling apparatus."—*A communication to him from abroad by Dr. Werner Siemens, of Berlin, in the Kingdom of Prussia.* Letters Patent sealed.
- KITTOE.
BROTHERHOOD.
17th April 1868. 1254. GEORGE DOMINICUS KITTOE, and PETER BROTHERHOOD, both of No. 56, Compton Street, Clerkenwell, in the County of Middlesex, Mechanical Engineers, for an invention for—"Improved apparatus for refrigerating or cooling worts and other liquids." Letters Patent sealed.
- ROBINSON.
17th April 1868. 1255. HENRY OLIVER ROBINSON, of London and Glasgow, but at present residing at Glasgow, in the County of Lanark, North Britain, for an invention for—"An improved screw propeller." Letters Patent sealed.
- GORMAN.
17th April 1868. 1256. WILLIAM GORMAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the manufacture of iron and steel and in apparatus therefor." Letters Patent sealed.
- SMITH.
17th April 1868. 1257. DILLWYN SMITH, of Burlington, New Jersey, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"An improved mode of securing tubes in steam-boilers and other vessels."—*A communication to him from abroad by George P. Hunt, of the City, County and State of New York, Engineer, United States Navy.* Provisional protection only.
- GEDGE.
17th April 1868. 1258. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A new chemical product applicable to the electrical pile and to other uses."—*A communication to him from abroad by Pierre Rondel, of 15, Passage des Petites Ecuries, Paris, France, Professor of Sciences.* Provisional protection only.
- GEDGE.
17th April 1868. 1259. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A novel apparatus for putting boots and shoes on the feet."—*A communication to him from abroad by Louis Leclerc, of 15, Passage des Petites Ecuries, Paris, France.* Letters Patent sealed.
- BACON.
17th April 1868. 1260. Lieutenant FRANCIS BACON, of the Royal Marine Artillery, of Wymondham Rectory, in the County of Leicester, for an invention for—"Improvements in breech-loading fire-arms." Letters Patent sealed.
- ERSKINE.
17th April 1868. 1261. JAMES ERSKINE, of Newton Stewart, in the County of Wigtown, Scotland, Gun Maker, for an invention for—"An improvement in the manufacture of breech-loading fire-arms." Letters Patent sealed.
- NEWTON.
17th April 1868. 1262. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for gathering hay and other crops from the ground."—*A communication to him from abroad by John Marcus Boorman, of Scarborough, in the State of New York, United States of America.* Letters Patent sealed.
- PRICE.
WANKLYN.
17th April 1868. 1263. ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Consulting Chemist, and JAMES ALFRED WANKLYN, Professor of Chemistry at the London Institution, Finsbury Circus, for an invention for—"Improvements in the preparation and use of anaesthetics." Letters Patent sealed.
- BRADFORD.
18th April 1868. 1264. THOMAS BRADFORD, of Cathedral Steps, Manchester, in the County of Lancaster, and 9, Argyll Square, London, in the County of Middlesex, Washing Machine Manufacturer, for an invention for—"Certain improvements in machinery or apparatus to be employed for churning, which is also applicable for washing textile fabrics and mixing liquids." Letters Patent sealed.
- LISTER.
18th April 1868. 1265. GEORGE LISTER, of Rivers, Dursley, in the County of Gloucester, Manufacturer, for an invention for—"Improvements in machinery or apparatus for feeding slivers of wool or other filamentous materials to carding and condensing engines or machines." Letters Patent sealed.

HUGHES. 18th April 1868.	1266. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of hats and bonnets and in the apparatus employed therein."— <i>A communication to him from abroad by Chauncey Orrin Crosby, of New Haven, United States of America.</i> <i>Letters Patent sealed.</i>
HARGREAVES. 18th April 1868.	1267. JAMES HARGREAVES, of Darlington, in the County of Durham, Analytical Chemist, for an invention for—"Improvements in obtaining phosphates and phosphatic manures." <i>Provisional protection only.</i>
SCHOLEFIELD. 18th April 1868.	1268. RICHARD SCHOLEFIELD, of Leeds, in the County of York, Mechanic, for an invention for—"Improvements in brick-making machinery." <i>Provisional protection only.</i>
ASHLEY. RAWNSLEY. WAITE. 18th April 1868.	1269. ALFRED ASHLEY, of Horton in Bradford, in the County of York, Worsted Spinner, and EDWARD RAWNSLEY, and WILLIAM PEARSON WAITE, of the same place, Overlookers, for an invention for—"An improved means or apparatus for lubricating the spindles and other parts of machinery used for spinning or twisting wool, cotton, mohair, alpaca or other fibrous substances." <i>Provisional protection only.</i>
LUND. 18th April 1868.	1270. WILHELM LUND, of Jewry Street, in the City of London, for an invention for—"Improvements in machines for turning off cross head wrist pins, crank pins and similar work."— <i>A communication to him from abroad by Theodore A. Goff, of San Francisco, United States of America.</i> <i>Letters Patent sealed.</i>
AGER. 18th April 1868.	1271. NATHAN AGER, of 28, Grosvenor Road, Pimlico, in the County of Middlesex, for an invention for—"Improvements in fastenings suitable for window sashes and for other uses." <i>Letters Patent sealed.</i>
WIDMARK. 18th April 1868.	1272. HAROLD WILHELM WIDMARK, of 13, Tamworth Place, in the City and County of Bristol, Engineer, for an invention for—"Improvements in governors applicable to steam and other engines." <i>Letters Patent sealed.</i>
LÜDEKE. 18th April 1868.	1273. JOHANN ERNST FRIEDRICH LÜDEKE, of Dransfeld, Hanover, in the Kingdom of Prussia, but now residing at No. 281, New Cross Road, for an invention for—"Improvements in machinery for obtaining motive-power." <i>Provisional protection only.</i>
HILL. D'OYLY. 18th April 1868.	1274. RICHARD HILL, of 54, Castle Street, in the City of Bristol, Auctioneer, and JOHN FRANCIS D'OYLY, of 7, Oak Villas, Walthamstow, in the County of Essex, Master Mariner, for an invention for—"Improvements in paddle and other wheels used in air or water, for propelling or driving ships or vessels or machinery." <i>Letters Patent sealed.</i>
CHILDS. 18th April 1868.	1275. AUGUSTUS BRYANT CHILDS, of No. 16, Mark Lane, in the City of London, Engineer, for an invention for—"Improvements in the grinding surface of millstones and in apparatus or machinery for forming the same." <i>Letters Patent sealed.</i>
WARRINGTON. 20th April 1868.	1276. THOMAS ALFRED WARRINGTON, of No. 8, Carlton Road, Kentish Town, in the Parish of Saint Pancras, in the County of Middlesex, for an invention for—"Improvements in candlesticks and other like articles for holding candles and tapers." <i>Letters Patent sealed.</i>
ABEL. 20th April 1868.	1277. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the means and appliances for press copying letters and other written documents."— <i>A communication to him from abroad by Jean George Kugler, Leather Manufacturer, of Nuremberg, in the Kingdom of Bavaria.</i> <i>Letters Patent sealed.</i>
ABEL. 20th April 1868.	1278. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the treatment of textile fabrics for consolidating them and rendering them impermeable."— <i>A communication to him from abroad by Pierre Armand Neuman, Manufacturer, of St. Denis, near Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
COOKE. 20th April 1868.	1279. JOHN COOKE, of Darlington, in the County of Durham, Mining Engineer, for an invention for—"Improvements in the construction of rotary engines and pumps." <i>Letters Patent sealed.</i>

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| <p>RUIZ.
20th April 1868.</p> <p>FAWCETT.
FAWCETT.
20th April 1868.</p> <p>FARRAR.
20th April 1868.</p> <p>MALAM.
20th April 1868.</p> <p>McGHIE.
20th April 1868.</p> <p>WORSSAM.
20th April 1868.</p> <p>SYMINGTON.
20th April 1868.</p> <p>HUMES.
SULLIVAN.
20th April 1868.</p> <p>NEWTON.
20th April 1868.</p> <p>COLES.
JAQUES.
FANSHAWE.
20th April 1868.</p> <p>WOOLFIELD.
21st April 1868.</p> <p>COLE.
CARTER.
21st April 1868.</p> <p>JACKSON.
21st April 1868.</p> <p>GORSE.
21st April 1868.</p> <p>KEMP.
GOURLAY.
21st April 1868.</p> | <p>1280. LOUIS MARIA RUIZ, of Paris, Rue d'Antin, No. 1, Merchant, for an invention for—"Improvements in apparatus for signalling or giving orders on board ships and in other places."—<i>A communication from Alfred Foucault, resident at Orleans (France).</i>
<i>Provisional protection only.</i></p> <p>1281. JAMES FAWCETT, and JOSEPH ADDEY FAWCETT, of Wakefield, in the County of York, Corn Millers, for an invention for—"Improvements in steam-boilers or apparatus for generating steam."
<i>Letters Patent sealed.</i></p> <p>1282. JABEZ BUNTING FARRAR, of Halifax, in the County of York, Machine Maker, for an invention for—"Improvements in spinning and doubling machinery."
<i>Provisional protection only.</i></p> <p>1283. WILLIAM MALAM, of Old Kent Road, in the County of Surrey, Gas Engineer, for an invention for—"Improvements in the manufacture of gas and in apparatus employed in such manufacture, part of the invention being also applicable to the manufacture of retorts, retort casings, crucibles and melting pots for various useful purposes."
<i>Provisional protection only.</i></p> <p>1284. JAMES McGHIE, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for spinning or twisting."
<i>Letters Patent sealed.</i></p> <p>1285. SAMUEL WILLIAM WORSSAM, junior, of King's Road, Chelsea, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for planing and cutting wood."
<i>Letters Patent sealed.</i></p> <p>1286. WILLIAM WELDON SYMINGTON, of Chard, in the County of Somerset, Engineer, for an invention for—"Improvements in machinery for sizing, tarring, dyeing, drying and finishing laid and other twines, lines, yarns, threads and fibres."
<i>Letters Patent sealed.</i></p> <p>1287. JOHN JOSEPH REVELEY HUMES, of Deptford, and JOHN GILES SULLIVAN, of New Cross, both in the County of Kent, for an invention for—"Improvements in machinery for making bricks."
<i>Letters Patent sealed.</i></p> <p>1288. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of rings for ring spinning."—<i>A communication to him from abroad by Cyrus Bullard Morse, of Rhinebeck, in the State of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1289. GEORGE COLES, of Gresham Street West, in the City of London, Merchant, and JAMES ARCHIBALD JAQUES, Chemist, and JOHN AMERICUS FANSHAWE, Engineer, both of Tottenham, in the County of Middlesex, for an invention for—"Improvements in the manufacture of elastic bands."
<i>Letters Patent sealed.</i></p> <p>1290. JOHN WOOLFIELD, now of Saint James Road, Handsworth, Staffordshire, formerly of Saint Alban's, Hertfordshire, for an invention for—"Improvements in the method of and machinery for corrugating or fluting sheets of metal."
<i>Letters Patent sealed.</i></p> <p>1291. ARTHUR COLE, of Erith, in the County of Kent, Merchant's Clerk, and JONATHAN CARTER, of Bexley Heath, in the County of Kent, Gentleman, for an invention for—"Improvements in and applicable to lamps in use in railway carriages and in similar situations."
<i>Letters Patent sealed.</i></p> <p>1292. SAMUEL JACKSON, of Bury, in the County of Lancaster, Auctioneer and Valuer, for an invention for—"Improvements in propelling and gaining motive-power."
<i>Provisional protection NOT allowed.</i></p> <p>1293. WILLIAM GORSE, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in the preparation of strips of iron and steel for the manufacture of flat pointed cut nails."
<i>Letters Patent sealed.</i></p> <p>1294. EBENEZER KEMP, and HENRY GOURLAY, both of Dundee, in the County of Forfar, North Britain, Engineers, for an invention for—"Improvements in marine steam-engines."
<i>Letters Patent sealed.</i></p> |
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PAGET, 21st April 1868.	1295. ARTHUR PAGET, of Loughborough, in the County of Leicester, Manufacturer, for an invention for—"Improvements in apparatus for the hauling, tightening or pulling of ropes, cords, chains, bands and other mechanical equivalents, and for the holding or making fast such ropes or other mechanical equivalents, and loosing the same when desired." <i>Letters Patent sealed.</i>
COLES. JAQUES. FANSHAWE. 21st April 1868.	1296. GEORGE COLES, of Gresham Street West, in the City of London, Merchant, and JAMES ARCHIBALD JAQUES, Chemist, and JOHN AMERICUS FANSHAWE, Engineer, both of Tottenham, in the County of Middlesex, for an invention for—"Improved machinery or apparatus for producing thin strips or filaments from various substances." <i>Letters Patent sealed.</i>
BING. 21st April 1868.	1297. LOUIS BING, of Bishop's Stortford, in the county of Hertford, Gentleman, for an invention for—"An improved mode of and apparatus for ascertaining the actinic power of light." <i>Letters Patent sealed.</i>
DREYFOUS. 21st April 1868.	1298. SAMUEL DREYFOUS, of Paris, France, Civil Engineer, for an invention for—"An improved apparatus for removing the cotton from cotton pods."— <i>A communication from Michel Alcan, a person residing at Paris, France.</i> <i>Letters Patent sealed.</i>
RENSHAW. 21st April 1868.	1299. ARTHUR DALLISON RENSCHAW, of No. 9, Fetter Lane, in the City of London, for an invention for—"Improvements in apparatus for shearing or clipping the wool or hair of animals, and in the means for operating the same." <i>Provisional protection only.</i>
JOHNSON. 21st April 1868.	1300. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved mode or method of correcting the deviations of the mariner's compass in iron ships."— <i>A communication to him from abroad by Louis François Alexandre Arson, of Paris, in the Empire of France, Engineer.</i> <i>Letters Patent sealed.</i>
FUGL. FUGL. 21st April 1868.	1301. JOHN FUGL, and HENRY THOMAS FUGL, both of Woodbridge Street, Clerkenwell, in the County of Middlesex, Upholsterers, for an invention for—"Improvements in curtain poles or laths." <i>Letters Patent sealed and specification filed by order.</i>
MAYNARD. GRIME. 22nd April 1868.	1302. MOSES SAVERY MAYNARD, and ROBERT GRIME, both of Preston, in the County of Lancaster, Cotton Spinners, for an invention for—"Improvements in machinery for governing the speed of motive-power engines." <i>Letters Patent sealed.</i>
JOHNSON. 22nd April 1868.	1303. JOHN JOHNSON, of Levenshulme, near the City of Manchester, Millwright and Engineer, for an invention for—"Improvements in metallic packings for pistons, pump buckets and valves." <i>Provisional protection only.</i>
EDWARDS. 22nd April 1868.	1304. JOHN EDWARDS, of 157, Richmond Road, Hackney, in the County of Middlesex, for an invention for—"Improvements in railway point indicators." <i>Provisional protection NOT allowed.</i>
CLARKE. 22nd April 1868.	1305. WILLIAM CLARKE, of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture of ornamental fabrics in twist lace machinery." <i>Provisional protection only.</i>
BOLTON. 22nd April 1868.	1306. JOSEPH HOLROYD BOLTON, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus for sizing and drying warps or yarns of cotton or other fibrous substances." <i>Letters Patent sealed.</i>
INGHAM. 22nd April 1868.	1307. CHARLES BARLOW INGHAM, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in apparatus for stamping, dating, indicating, cancelling or otherwise impressing or imprinting marks or designs."— <i>A communication to him from abroad by Edward Chamberlain, of New York, United States of America.</i> <i>Provisional protection only.</i>
WHITTAKER. 22nd April 1868.	1308. THOMAS WHITTAKER, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of water or liquid proof fabrics or surfaces." <i>Letters Patent sealed.</i>
HOWSE. 22nd April 1868.	1309. HENRY HOWSE, of Lime Street, in the City of London, Accountant, for an invention for—"An improvement in the manufacture of safety matches." <i>Letters Patent sealed.</i>

SIDE. 22nd April 1868.	1310. ROBERT SIDE, of Southwark Bridge Road, Southwark, in the County of Surrey, for an invention for—"A new machine for obtaining motive-power." <i>Letters Patent sealed.</i>
FIDDES. CURTIS. 22nd April 1868.	1311. AUGUSTINE FIDDES, and CHARLES JOHN CURTIS, both of Stokes Croft, Bristol, in the County of Somerset, for an invention for—"Improvements in the construction of safes or depositories to contain valuable property, and in the locks thereof." <i>Provisional protection only.</i>
SCOWEN. 22nd April 1868.	1312. THOMAS LAYZELL SCOWEN, of Allen Road, South Hornsey, in the Parish of Hornsey, in the County of Middlesex, for an invention for—"A new hook-button for boots, shoes and other articles of clothing." <i>Letters Patent sealed.</i>
SCOWEN. 22nd April 1868.	1313. THOMAS LAYZELL SCOWEN, of Allen Road, South Hornsey, in the Parish of Hornsey, in the County of Middlesex, for an invention for—"An improved method of fastening the button boot without the use of button holes." <i>Letters Patent sealed.</i>
LAKE. 22nd April 1868.	1314. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved lubricating packing."— <i>A communication to him from abroad by William Johnson Towne, of Newtonville, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
LAKE. 22nd April 1868.	1315. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for manufacturing small articles from sheet metal."— <i>A communication to him from abroad by Lauriston Towne, of Providence, Rhode Island, United States of America.</i> <i>Letters Patent sealed.</i>
LAKE. 22nd April 1868.	1316. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in carpet linings and in machinery for manufacturing the same."— <i>A communication to him from abroad by George Washington Chipman, of Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
HILL. 22nd April 1868.	1317. HENRY HILL, of the Town and County of the Town of Nottingham, Brass Founder and General Manufacturer, for an invention for—"Improvements in water-closets and in ball and other cocks, taps and valves." <i>Letters Patent sealed.</i>
NEWTON. 22nd April 1868.	1318. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in paddle wheels for vessels."— <i>A communication to him from abroad by Donald L. Mc. Donell, of Detroit, in the State of Michigan, United States of America.</i> <i>Provisional protection only.</i>
CHARD. 22nd April 1868.	1319. HENRY DINHAM CHARD, of Feniton, in the County of Devon, Gentleman, for an invention for—"Improvements in the construction of buildings." <i>Provisional protection only.</i>
MURDOCH. 22nd April 1868.	1320. HUNTER HENRY MURDOCH, of No. 7, Staple Inn, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of 'concaves' or breasting for the beating drums of thrashing-machines."— <i>A communication to him from abroad by Emile Questienne, of Mellet, in the Kingdom of Belgium, Manufacturer, and Edmond Van Schepdael the younger, of Brussels, in the Kingdom of Belgium, Agricultural Implement Maker.</i> <i>Letters Patent sealed.</i>
FAIRLIE. 22nd April 1868.	1321. ROBERT FRANCIS FAIRLIE, of Gracechurch Street, in the City of London, for an invention for—"Improvements in railway carriages and waggons, and in the means of coupling them together to form trains." <i>Letters Patent sealed.</i>
SKEOCH. 22nd April 1868.	1322. DAVID SKEOCH, of Stewarton, in the County of Ayr, North Britain, for an invention for—"Improvements in spindles used for spinning or twisting yarn." <i>Provisional protection only.</i>
SAMSON. 22nd April 1868.	1323. EDWARD SAMSON, of 5, 6, and 7, Little Anchor Street, Bethnal Green, in the County of Middlesex, for an invention for—"Utilizing the hoop, rim or frame under the top of an ordinary loo, centre or other table, whether circular, oval or any other shape." <i>Letters Patent sealed.</i>

HAMILTON. 23rd April 1868.	1324. WILLIAM HAMILTON, of the City of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the generating of steam and in the means or apparatus employed therefor." <i>Provisional protection only.</i>
HARDCASTLE. 23rd April 1868.	1325. THOMAS HARDCASTLE, of Bradshaw Works, near Bolton, in the County of Lancaster, Bleacher, Dyer and Calico Printer, for an invention for—"Improvements in the manufacture of bowls for mangles, washing machines and other purposes." <i>Letters Patent sealed.</i>
ROSTRON. WHITTAKER. 23rd April 1868.	1326. EDWARD ROSTRON, Felt Manufacturer and Printer, and WILLIAM WALKER WHITTAKER, Mechanic, both of Waterfoot, near the City of Manchester, for an invention for—"Improvements in machinery employed in the manufacture of felt." <i>Letters Patent sealed.</i>
WHITEHOUSE. 23rd April 1868.	1327. JOHN WHITEHOUSE, of Tipton, in the County of Stafford, Ironfounder, for an invention for—"Improvements in the manufacture of tailors' or 'goose' irons." <i>Provisional protection only.</i>
BUSH. WELCHMAN. 23rd April 1868.	1328. JAMES BUSH, and HENRY WELCHMAN, both of Aston-juxta-Birmingham, in the County of Warwick, for an invention for—"An improved spring fastening for brooches and other similar dress fastenings." <i>Provisional protection only.</i>
STANTON. 23rd April 1868.	1329. JAMES MONROE STANTON, of Philadelphia, Pennsylvania, in the United States of America, for an invention for—"Improvements in furniture castors." <i>Provisional protection NOT allowed.</i>
STIDOLPH. STIDOLPH. SIMPSON. 23rd April 1868.	1330. GEORGE FREDERICK STIDOLPH, JOHN STIDOLPH, and THOMAS SIMPSON, of Woodbridge, in the County of Suffolk, for an invention for—"Improvements in brushing and sweeping machines." <i>Letters Patent sealed.</i>
CLARK. 23rd April 1868.	1331. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in apparatus for transmitting and multiplying motive-power."— <i>A communication to him from abroad by François Jobard, Gentleman, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
ARMSTRONG. 23rd April 1868.	1332. JOSEPH ARMSTRONG, of Masbro', near Rotherham, in the County of York, for an invention for—"Improvements in crossings and in switch apparatus to be used with the permanent way of railways." <i>Letters Patent sealed.</i>
LAKE. 23rd April 1868.	1333. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved steam cultivator."— <i>A communication to him from abroad by Philander Hayden Standish, of Martinez, California, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
HARDICK. HARDICK. 23rd April 1868.	1334. CHARLES BROWN HARDICK, and JOHN HARDICK, of Brooklyn, in the State of New York, United States of America, for an invention for—"Improvements in direct-acting engines and pumps." <i>Letters Patent sealed.</i>
REID. 23rd April 1868.	1335. JOHN REID, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of casks and other similar articles, and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
ROGERS. 23rd April 1868.	1336. JOSEPH ROGERS, of Baxter Road, Islington, for an invention for—"Improvements in the preparation and utilization of certain vegetable and bituminous products." <i>Letters Patent sealed.</i>
CASSON. 23rd April 1868.	1337. JOHN CASSON, of No. 10, Saint James's Street, in the Parish of Sheffield, in the County of York, Mechanical Draughtsman, for an invention for—"Improvements in machinery for sawing wood." <i>Letters Patent sealed.</i>
CARTER. 23rd April 1868.	1338. ALFRED CARTER, of Birmingham, in the County of Warwick, Accountant Clerk, for an invention for—"Improvements in machinery for the manufacture of nails, spikes and bolts." <i>Letters Patent sealed.</i>
LAKE. 23rd April 1868.	1339. WILLIAM ROBERT LAKE, of the "International Patent Office, No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in cartridge boxes or holders."— <i>A communication to him from abroad by Paul Friedrich Schneider, of Hartford, Connecticut, United States of America.</i> <i>Provisional protection only.</i>

D'ASCHAU.
24th April 1868.

1340. MICHAEL ZUMPF D'ASCHAU, of No. 8, Winsley Street, Oxford Street, in the County of Middlesex, Analytical Chymist, for an invention for—"A new vegetable medicinal compound to be used as a remedy for the cure of scalds, burns, open wounds, swellings, stiff joints, rheumatics, the gout and other complaints."

Provisional protection only.

BAGGS.
24th April 1868.

1341. ISHAM BAGGS, of High Holborn, in the County of Middlesex, for an invention for—"Improvements in the manufacture of white lead, and in the use and application of certain machinery and apparatus for such purposes."

Provisional protection only.

MACNEILL.
24th April 1868.

1342. THOMAS TELFORD MACNEILL, of No. 23, Cockspur Street, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in apparatus for indicating the distances travelled by cabs and other vehicles, also applicable to the indicating of the fares payable for the distance travelled."

Letters Patent sealed.

BROWN.
24th April 1868.

1343. CHARLES BROWN, of the City of Dublin, for an invention for—"Improvements in apparatus for baking, also applicable to hot pressing and to other heating, and to cooling purposes."

Letters Patent sealed.

JOHNSON.
24th April 1868.

1344. JOHN ROBERT JOHNSON, of Red Lion Square, in the County of Middlesex, for an invention for—"Improvements in repeating fire-arms."

Letters Patent sealed.

NUTTALL.
NUTTALL.
BARBER.
24th April 1868.

1345. RICHARD NUTTALL, and THOMAS NUTTALL, of Walmsley, in the County of Lancaster, and BENJAMIN BARBER, of Manchester, in the same County, for an invention for—"Certain improvements in the manufacture of woven fabrics termed 'quiltings' and 'toilettings,' and for similar descriptions of fabrics."

Letters Patent sealed.

LOWBER.
24th April 1868.

1346. DANIEL COLE LOWBER, of New Orleans, Louisiana, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved wire tie for securing bales of cotton or woollen goods and other merchandise."

Letters Patent sealed.

HARRISON.
24th April 1868.

1347. CHARLES WEIGHTMAN HARRISON, of Oberstein Road, Clapham Junction, in the County of Surrey, Gentleman, for an invention for—"Improved means of preventing incrustation in boilers and other vessels in which water is heated."

Letters Patent sealed.

LIDDARD.
BUXTON.
24th April 1868.

1348. JOHN LIDDARD, of Birkenhead, in the County of Chester, Engineer, and GEORGE BUXTON, of the same place, Engineer, for an invention for—"Improvements in the rails and chairs of railways, and in the method of adapting railway chairs to rails."

Letters Patent sealed.

WETHERILT.
24th April 1868.

1349. JAMES WETHERILT, of Chapel Street West, Mayfair, in the County of Middlesex, Ironmonger, for an invention for—"Improved apparatus for scoring or marking at billiards or other similar games."

Provisional protection only.

RYLAND.
24th April 1868.

1350. WILLIAM HAWKES RYLAND, of Birmingham, in the County of Warwick, Manufacturer and Factor, for an invention for—"Improvements in fastenings for articles of dress and jewellery."

Letters Patent sealed.

DEWAR.
24th April 1868.

1351. JAMES DEWAR, Doctor of Medicine, residing in Kirkcaldy, North Britain, for an invention for—"Improvements in making and preserving manure."

Letters Patent sealed.

BARTRAM.
24th April 1868.

1352. WILLIAM BARTRAM, of Sheffield, in the County of York, for an invention for—"Improvements in the manufacture of cartridges."

Provisional protection only.

BARTRAM.
24th April 1868.

1353. WILLIAM BARTRAM, of Sheffield, in the County of York, for an invention for—"Improvements in apparatus for filling, closing and re-capping cartridges."

Letters Patent sealed.

WELCH.
24th April 1868.

1354. GEORGE AUGUSTUS WELCH, of Sydenham, in the County of Kent, Paymaster Royal Navy, for an invention for—"Improvements in apparatus for the preservation of life and property at sea."

Letters Patent sealed.

BERNARD.
24th April 1868.

1355. JULIAN BERNARD, of Salisbury Street, Strand, in the County of Middlesex, for an invention for—"Improvements in preparing and dressing ores and minerals, and in the machinery or apparatus employed therein."

Letters Patent sealed.

CASHIN. 25th April 1868.	1356. THOMAS FREDERICK CASHIN, of Sheffield, in the County of York, Civil Engineer, for an invention for—"Improvements in apparatus for actuating and regulating the working of railway signals, and the points and switches of rails (a part of which is applicable for other purposes), and also in the mode of fish-jointing rails." <i>Provisional protection only.</i>
HUTCHINSON. 25th April 1868.	1357. WILLIAM NELSON HUTCHINSON, of Wellesbourne, near Bideford, in the County of Devon, a Lieutenant-General in Her Majesty's Army, for an invention for—"Improvements in apparatus for receiving and absorbing or checking the recoil of ordnance." <i>Provisional protection only.</i>
MARSON. 25th April 1868.	1358. GERVASE MARSON, of Eagley, near Bolton, in the County of Lancaster, for an invention for—"Certain improvements in the method of and means for retaining the outer ends of tapes, ribbons and other similar narrow fabrics and paper." <i>Provisional protection only.</i>
Craven. 25th April 1868.	1359. JOSEPH CRAVEN, of the firm of D. and J. Craven, of Thornton, near Bradford, in the County of York, Shawl Manufacturers, for an invention for—"Improved means or apparatus for producing the 'barrel fringe' or tassel fringe on shawls." <i>Provisional protection only.</i>
HOLDING. HOLDING. 25th April 1868.	1360. JOSEPH HOLDING, and RICHARD HOLDING, both of Wheelton, in the County of Lancaster, for an invention for—"Improvements in healds employed in looms for weaving." <i>Provisional protection only.</i>
SPENCE. 25th April 1868.	1361. PETER SPENCE, of Newton Heath, Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements applicable to the purification of gas used for illumination." <i>Letters Patent sealed; no specification filed.</i>
Pocock. 25th April 1868.	1362. ALFRED WILLMER POCOCK, of Pimlico, in the County of Middlesex, for an invention for—"Improvements in working valves of steam and other engines." <i>Letters Patent sealed.</i>
COCKER. 25th April 1868.	1363. RICHARD COCKER, of 21, Cockspur Street, Charing Cross, Westminster, in the County of Middlesex, Publisher of the Scientific Review and Journal of the Inventors' Institute, for an invention for—"Improvements in purifying, seasoning and preserving wood and making it water and fire proof."— <i>A communication to him from abroad by Theodore William Heinemann, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
DRAKE. 25th April 1868.	1364. CHARLES DRAKE, of 17, Renfrew Road, Kennington, in the County of Surrey, for an invention for—"Improvements in constructing concrete buildings and in apparatus used therein." <i>Letters Patent sealed.</i>
CLARK. 25th April 1868.	1365. ALEXANDER CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam generators and furnaces."— <i>A communication to him from abroad by S. Lloyd Wiegand, of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
PARKES. 25th April 1868.	1366. ALEXANDER PARKES, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of varnishes." <i>Provisional protection only.</i>
ATKINS. 25th April 1868.	1367. JAMES ATKINS, of the firm of Robert Walter Winfield and Company, of Birmingham, in the County of Warwick, Merchants and Manufacturers, for an invention for—"Improvements in ornamenting sheets or plates of metal." <i>Letters Patent sealed.</i>
PEMBERTON. HUGHES. 25th April 1868.	1368. THOMAS PEMBERTON, of Birmingham, in the County of Warwick, Brass Founder, and THOMAS HUGHES, of Birmingham, aforesaid, Brass Finisher, for an invention for—"Improvements in supports for fire-irons." <i>Provisional protection only.</i>
HILLS. 25th April 1868.	1369. FRANK CLARKE HILLS, of the Chemical Works, Deptford, in the County of Kent, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of gas and in the purification of 'gas liquor,' and in utilizing gas tar and crude hydrocarbon oils, and in furnaces for effecting the combustion of the said gas tar or hydrocarbon oils." <i>Letters Patent sealed.</i>

- VAUGHAN.
27th April 1868.
1370. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in telegraphy and in the construction and arrangement of apparatus for communicating signals and intelligence."—*A communication to him from abroad by Lancelot Hope Everitt, of New Orleans, in the County of New Orleans and State of Louisiana, United States of America, Doctor of Medicine.* *Letters Patent sealed.*
- HEPWORTH.
BAYLDON.
27th April 1868.
1371. JAMES HEPWORTH, of Wakefield, in the County of York, Boiler Maker, and GEORGE WOOD BAYLDON, of Calder Grove, near Wakefield, aforesaid, for an invention for—"Improvements in boilers and furnaces." *Letters Patent sealed.*
- TIDMARSH.
27th April 1868.
1372. SAMUEL TIDMARSH, of Birmingham, in the County of Warwick, Manager of Works, for an invention for—"Improvements in locks." *Provisional protection only.*
- GERACI.
27th April 1868.
1373. DOMENICO GERACI, of Florence, in the Kingdom of Italy, for an invention for—"The manufacture of an armour or armour-plating material applicable to other purposes." *Letters Patent sealed.*
- DELPERDANGE.
27th April 1868.
1374. VICTOR DELPERDANGE, Civil Engineer, of the City of Brussels, in the Kingdom of Belgium, for an invention for—"Improvements in the construction and modes of connecting pipes or tubes of metal or other material." *Complete specification: Letters Patent sealed.*
- NISSER.
27th April 1868.
1375. PEDRO NISSER, of Minorities, in the City of London, for an invention for—"An improved explosive compound or safety blasting powder." *Letters Patent sealed.*
- BARNEKOV.
27th April 1868.
1376. KIEL VOLMAR BARNEKOV, of the City of Newburgh, State of New York, in the United States of America, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms." *Letters Patent sealed.*
- CHAYTOR.
27th April 1868.
1377. HENRY CHAYTOR, of Witton Castle, near Darlington, in the County of Durham, for an invention for—"Improvements in the rolling stock of railways." *Letters Patent sealed.*
- HOLT.
BURLISON.
SAMPSON.
27th April 1868.
1378. RICHARD HOLT, Merchant, ROBERT BURLISON, Mechanic, and HENRY SAMPSON, Stuff Finisher, all of Bradford, in the County of York, for an invention for—"Improvements in 'papering' and 'pressing' in the 'finishing' of woven fabrics, and in the means or apparatus employed therein." *Letters Patent sealed.*
- PERKINS.
27th April 1868.
1379. LOFTUS PERKINS, of Seaford Street, Gray's Inn Road, Engineer, for an invention for—"Improvements in the manufacture of wrought metal wheels." *Letters Patent sealed.*
- SCOFFERN.
27th April 1868.
1380. JOHN SCOFFERN, of 21, New North Street, Finsbury, in the County of Middlesex, M.B., for an invention for—"Improvements in sheathing ships' bottoms and other surfaces exposed to the action of sea water." *Letters Patent sealed.*
- PERKINS.
27th April 1868.
1381. LOFTUS PERKINS, of Seaford Street, Gray's Inn Road, Engineer, for an invention for—"Improvements in tubular steam-boilers." *Letters Patent sealed.*
- MCDONNELL.
28th April 1868.
1382. EUGENE McDONNELL, of Wallington Lodge, Fareham, Hampshire, Civil Engineer, for an invention for—"An impervious concrete or cement." *Letters Patent sealed.*
- PEARSON.
PEARSON.
28th April 1868.
1383. JOHN PEARSON, of Thornton, near Bradford, in the County of York, Jacquard Harness Maker, and MASON PEARSON, of the same place, Overlooker, for an invention for—"Improvements in jacquard engines." *Letters Patent sealed.*
- BOUSFIELD.
28th April 1868.
1384. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"An improved manufacture of hair seating, and for improvements in the mode of seaming or joining hair seating and other woven fabrics with a hair face, and strengthening the goods and facilitating the upholstering of the same."—*A communication to him from abroad by Charles Bradley, a person resident at Providence, Rhode Island, United States of America.* *Letters Patent sealed.*
- COX.
28th April 1868.
1385. GEORGE ADDISON COX, of Lochee, Dundee, in the County of Forfar, North Britain, Jute and Flax Spinner and Power Loom Linen Manufacturer, for an invention for—"Improvements in carpets, sackings, checks, bed-ticks or tickings, and other similar textile fabrics." *Letters Patent sealed.*

JACK. 28th April 1868.	1386. ALEXANDER JACK the younger, of Maybole, in the County of Ayr, North Britain, for an invention for—"Improvements in reaping machines." <i>Provisional protection only.</i>
BAAL. GANN. 28th April 1868.	1387. ABRAHAM BAAL, and CHARLES GANN, both of Jersey, for an invention for—"Improvements in reefing fore and aft sails." <i>Provisional protection only.</i>
DIETZ. 28th April 1868.	1388. ANDREW DIETZ, of the City of New York, in the State of New York, in the United States of America, Glue Manufacturer, for an invention for—"An improved method or process of treating or preparing and refining glue." <i>Letters Patent sealed.</i>
WAUGH. 28th April 1868.	1389. HENRY WAUGH, of Whitefriars, in the City of London, Civil Engineer, for an invention for—"Improvements in apparatus for screening or separating grain, seed and other matters." <i>Letters Patent sealed.</i>
WHITWORTH. 28th April 1868.	1390. WILLIAM WHITWORTH, of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
RIPPINGILLE. 28th April 1868.	1391. EDWARD ALEXANDER RIPPINGILLE, of Holborn Hill, in the County of Middlesex, for an invention for—"Improvements in obtaining motive-power and in means or apparatus employed therein." <i>Provisional protection only.</i>
BOTTOMLEY. 28th April 1868.	1392. JOHN BOTTOMLEY, of Laister Dyke, in the County of York, for an invention for—"Improvements in umbrellas and parasols, and in appliances to be used in connection therewith." <i>Letters Patent sealed.</i>
BABACCI. 29th April 1868.	1393. GION BAPTISTE BABACCI, of Florence, in the Kingdom of Italy, for an invention for—"Improvements in gas engines." <i>Letters Patent sealed.</i>
ROBOTHAM. 29th April 1868.	1394. SAMUEL ROBOTHAM, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in bird-cages." <i>Letters Patent sealed.</i>
GRAY. 29th April 1868.	1395. JAMES GRAY, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in coatings or coverings for preventing the fouling to which ships and other structures are liable in sea water." <i>Provisional protection only.</i>
COPE. COPE. 29th April 1868.	1396. THOMAS COPE, and GEORGE COPE, both of Liverpool, in the County of Lancaster, Tobacco Manufacturers, for an invention for—"Improvements in machinery for moulding, pressing and stamping cavendish and other tobacco, into any desired form, by suitable die pieces." <i>Letters Patent sealed.</i>
WRIGHT. 29th April 1868.	1397. WILLIAM WRIGHT, of Mostyn, in the County of Flint, Copper Smelter, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
GEARY. 29th April 1868.	1398. ALFRED GEARY, of 16, Horfield Road, Bristol, Ironmonger, for an invention for—"A new or improved method of or means for preventing the moustache from dipping into soup when eating it from a spoon." <i>Provisional protection only.</i>
FOX. 29th April 1868.	1399. CHARLES DOUGLAS FOX, of Spring Gardens, in the County of Middlesex, for an invention for—"Improvements in machinery for nicking and dressing the heads of screw blanks."— <i>A communication to him from abroad by John Howard, resident at New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
BOOTH. 29th April 1868.	1400. JOSEPH BOOTH, of Gamble Street, Nottingham, Draftsman, for an invention for—"Improvements in the manufacture of fabrics in twist lace machines." <i>Complete specification; Letters Patent sealed.</i>
LONG. 29th April 1868.	1401. JOHN JEX LONG, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in machinery, processes and apparatus to be used in the manufacture of matches and other similar articles." <i>Letters Patent sealed.</i>
McKEAN. STENHOUSE. 29th April 1868.	1402. JOHN McKEAN, of Walmer Bridge, in the County of Lancaster, Manufacturer, and JOHN STENHOUSE, of Rodney Street, Pentonville, in the County of Middlesex, Chemist, for an invention for—"Improvements in the manufacture or preparation of materials for sizing or dressing yarns and textile fabrics." <i>Letters Patent sealed.</i>

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| <p>DEACON.
29th April 1868.</p> <p>SCOTT.
29th April 1868.</p> <p>JOHNSON.
29th April 1868.</p> <p>HEATHFIELD.
29th April 1868.</p> <p>HOMFRAY.
29th April 1868.</p> <p>WISE.
FIELD.
30th April 1868.</p> <p>GOUGH.
30th April 1868.</p> <p>FERRIE.
30th April 1868.</p> <p>DENDY.
BEARD.
30th April 1868.</p> <p>BETTELEY.
30th April 1868.</p> <p>WARD.
30th April 1868.</p> <p>CASELL.
30th April 1868.</p> <p>CHATWOOD.
30th April 1868.</p> <p>PARR.
STRONG.
30th April 1868.</p> <p>GROUNDY.
30th April 1868.</p> | <p>1403. HENRY DEACON, of Appleton House, Appleton, in the County of Lancaster, Alkali Manufacturer, for an invention for—"Improvements in the manufacture of chlorine."
<i>Letters Patent sealed.</i></p> <p>1404. ROBERT SCOTT, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in apparatus for dressing millstones."
<i>Letters Patent sealed.</i></p> <p>1405. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in preserving meat and other animal matters."—<i>A communication to him from abroad by Charles Edward Richardson and George Thatcher Waterman, both of Boston, in the State of Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1406. RICHARD HEATHFIELD, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in machinery for the manufacture of cut nails."—<i>A communication to him from abroad by Cyrus Dexter Hunt, of Fairhaven, Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1407. ALFRED HOMFRAY, of Witley Lodge, Halesowen, in the County of Worcester, Gentleman, for an invention for—"Improvements in the manufacture of iron or steel shackles, swivels, hooks, slips, and other kinds of iron or steel fastenings welded into an eye shape, and in machinery to be used in the said manufacture, which improvements are also applicable to the manufacture of the tyres of wheels."
<i>Letters Patent sealed.</i></p> <p>1408. FRANCIS WISE, and EDWARD FIELD, both of Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineers, for an invention for—"Improvements in apparatus for effecting the separation or removal of foreign matters or impurities from water."
<i>Provisional protection only.</i></p> <p>1409. JOHN GOUGH, of 42, Kerby Street, Hatton Garden, in the County of Middlesex, Engineer, for an invention for—"Improved geering for actuating the knife in paper-cutting machines."
<i>Letters Patent sealed.</i></p> <p>1410. WILLIAM FERRIE, of the Monkland Iron and Steel Works, in the County of Lanark, North Britain, for an invention for—"Improvements in blast furnaces."
<i>Letters Patent sealed.</i></p> <p>1411. JOHN DENDY, and JOHN RUSSELL BEARD, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in woven fabrics."
<i>Letters Patent sealed.</i></p> <p>1412. JOSEPH BETTELEY, of Cavendish House, Bootle, near Liverpool, for an invention for—"Improvements in shipbuilding, and in fastenings, bolts and sheet metal to be used therefor and for other purposes."
<i>Letters Patent sealed.</i></p> <p>1413. ROBERT WARD, of the "North of England Advertizer" Office, Newcastle-upon-Tyne, for an invention for—"Improvements in machinery for spinning or twisting tobacco and otherwise preparing it for sale."
<i>Provisional protection only.</i></p> <p>1414. JOHN HENRY CASELL, of Burdett Road, Limehouse, in the County of Middlesex, for an invention for—"Improvements in sheathing iron ships."
<i>Provisional protection only.</i></p> <p>1415. SAMUEL CHATWOOD, of Bolton, in the County of Lancaster, Safe and Lock Engineer, for an invention for—"Improvements in the construction of safes."
<i>Letters Patent sealed.</i></p> <p>1416. SAMUEL PARR, and ALFRED STRONG, both of 25, College Hill, Cannon Street, in the City of London, Architects and Surveyors, for an invention for—"An improved mode of combining certain materials in the construction of walls and the roofs and floors of houses and other buildings."
<i>Letters Patent sealed.</i></p> <p>1417. JOHN WESLEY GOUNDY, of Old Sheldon, near Darlington, in the County of Durham, for an invention for—"Improvements in the means of carrying railway and other tickets, cards and labels, ready for exhibition or delivery."
<i>Provisional protection only.</i></p> |
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- WEATHERDON.**
30th April 1868. 1418. BALDWIN FULFORD WEATHERDON, of Law Chambers, Chancery Lane, in the County of Middlesex, for an invention for—"A new or improved mode of soldering tin boxes, canisters or cases."—*A communication to him from abroad by Edouard Cormier, of No. 10, Avenue Trudaine, Paris, in the Empire of France.*
Letters Patent sealed.
- MENNONS.**
30th April 1868. 1419. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of No. 53, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"An improvement in planing polishing, turning and other machine tools or apparatus of like description."—*A communication from Henry Cook, a person resident at Florence, in the Kingdom of Italy.*
Provisional protection only.
- LAKE.**
30th April 1868. 1420. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for spinning fibrous materials."—*A communication to him from abroad by Charles Jenkins Harris, of Warren, Rhode Island, and Edwin Holmes Bugbee, of Killingly, Connecticut, both in the United States of America.*
Letters Patent sealed.
- BEELEY.**
30th April 1868. 1421. THOMAS BEELEY, of Hyde Junction Iron Works, in the County of Chester, Engineer, for an invention for—"Improvements in boilers and in apparatus for effecting the consumption of smoke in the furnaces of boilers." *Letters Patent sealed.*
- JOHNSON.**
30th April 1868. 1422. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of gelatine."—*A communication to him from abroad by François Coignet, of Paris, in the Empire of France.*
Letters Patent sealed.
- LILLIE.**
1st May 1868. 1423. JOSEPH LILLIE, of the City of Manchester, Engineer, for an invention for—"Improvements in apparatus for regulating, measuring and registering the flow of liquids." *Letters Patent sealed.*
- ABEL.**
1st May 1868. 1424. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"The production of a new or improved colouring matter from aniline."—*A communication to him from abroad by Benoit Bloch, of New York, in the United States of America, Manufacturing Chemist.*
Letters Patent sealed.
- LEHEUP.**
1st May 1868. 1425. EDWARD LEHEUP, of No. 1, Octagon Place, Upper Summerford Street, Bethnal Green, in the County of Middlesex, for an invention for—"Improvements in the manufacture of wooden boxes." *Provisional protection only.*
- MUNRO.**
1st May 1868. 1426. ARCHIBALD MUNRO, of Arbroath, in the County of Forfar, North Britain, for an invention for—"Improvements in machinery tools and tool holders to be used for cutting stone, slate, marble and other materials." *Letters Patent sealed.*
- CHILDS.**
1st May 1868. 1427. AUGUSTUS BRYANT CHILDS, of No. 16, Mark Lane, in the City of London, Engineer, for an invention for—"An improved apparatus or machine for separating mixed, powdered or other substances." *Letters Patent sealed.*
- WARNE.**
1st May 1868. 1428. JOHN WARNE, of the Blackfriars Road, in the County of Surrey, Pewterer and Beer Engine Manufacturer, for an invention for—"A new or improved union junction or fastening for pipes and tubes." *Letters Patent sealed.*
- EVERITT.**
1st May 1868. 1429. WILLIAM EDWARD EVERITT, of Birmingham, in the County of Warwick, Tube Manufacturer, for an invention for—"Improvements in the manufacture of copper, brass and metal tubes." *Letters Patent sealed.*
- MARLIN.**
TACK.
1st May 1868. 1430. PAUL MARLIN, and AUGUSTE TACK, Civil Engineers, of Brussels, in the Kingdom of Belgium, for an invention for—"An improved process for transforming hydrocarbon oils into gas for illuminating and heating purposes." *Letters Patent sealed.*
- JOHNSON.**
1st May 1868. 1431. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for burling and shearing textile fabrics."—*A communication to him from abroad by Amédée François Legrand, Ferdinand Martinot, Benjamin Martinot, Auguste Holma and Jean Baptiste Génét, of Paris, in the Empire of France, Mechanical Engineers, trading under the firm or style of Schneider, Legrand, Martinot and Company.*
Letters Patent sealed.

HEATON.
2nd May 1868.

1432. JOHN HEATON, of Langley Mill, in the County of Derby, Consulting Engineer, for an invention for—"Improvements in reverberatory and other furnaces."
Letters Patent sealed.

BARNETT.
2nd May 1868.

1433. FREDERIC BARNETT, of No. 164, Rue de Rivoli, in the City of Paris, in the Empire of France, Merchant, for an invention for—"An improved unspillable pail or vase."
Letters Patent sealed.

BONNEVILLE.
2nd May 1868.

1434. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Rue de la Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"New or improved apparatus for measuring and registering the flow of liquids."—*A communication from Jean Joseph Barretto and Antoine Joaquim Barretto, two persons resident at Lisbon, in the Kingdom of Portugal, Merchants.*
Complete specification; Letters Patent sealed.

BONNEVILLE.
2nd May 1868.

1435. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Rue de la Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for propelling vessels."—*A communication from Edouard Maître, a person resident at Vauxelles, in the Empire of France, aforesaid, Gentleman.*
Provisional protection only.

HAWKES.
SPENCER.
SPENCER.
STENNER.
2nd May 1868.

1436. THOMAS HAWKES, FREDERICK WILLIAM SPENCER, and GEORGE SPENCER, Agricultural Engineers, and JOSEPH STENNER, Foreman, all of Tiverton, in the County of Devon, for an invention for—"An improved seed and manure drill, parts of which invention are also applicable to other similar agricultural implements."
Provisional protection only.

CAMP.
2nd May 1868.

1437. EDWIN GILLARD CAMP, of 37, College Green, in the City and County of Bristol, Toy Vendor, for an invention for—"Improvements in mallets used in playing the game of croquet and in similar games."
Provisional protection only.

BINNS.
2nd May 1868.

1438. LEEDHAM BINNS, of the firm of Binns, Hillam and Company, of Brighouse, in the County of York, Worsted Manufacturers, for an invention for—"Improvements in looms for weaving."
Provisional protection only.

SCOTT.
2nd May 1868.

1439. HENRY YOUNG DARRACOTT SCOTT, of Ealing, in the County of Middlesex, Lieutenant Colonel in the Royal Engineers, for an invention for—"Improvements in kilns for burning lime and cement."
Letters Patent sealed.

MAISTRE.
2nd May 1868.

1440. JULES MAISTRE, of Ville-neuvette, Departement de l'Hérault, France, Manufacturer, for an invention for—"An improved process for dyeing wool."
Letters Patent sealed.

SMITH.
2nd May 1868.

1441. AUGUSTUS SMITH, of Stratford, in the County of Essex, for an invention for—"Improvements in apparatus to be used in connection with furnaces for burning creosote and other combustible liquids."
Letters Patent sealed.

BOYCE.
HARRINGTON.
2nd May 1868.

1442. JAMES EDWARD BOYCE, of Birmingham, in the County of Warwick, Manufacturer, and ROBERT HARRINGTON, of Birmingham, aforesaid, Warehouseman, for an invention for—"Improvements in umbrellas and parasols."
Letters Patent sealed.

JOHNSON.
2nd May 1868.

1443. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for exhibiting minute photographic pictures, and in pictures or slides to be used therewith."—*A communication to him from abroad by the Incorporated Company "Langlois and Company," of Paris, in the Empire of France.*
Letters Patent sealed.

LAKE.
2nd May 1868.

1444. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and apparatus for generating gas and mixing the same with atmospheric air, for heating and illuminating purposes."—*A communication to him from abroad by John Tatem Rich, of Philadelphia, Pennsylvania, United States of America.*
Letters Patent sealed.

BUDDEN.
2nd May 1868.

1445. JOHN LEGGETT BUDDEN, of Fenchurch Street, in the City of London, for an invention for—"Improvements in machinery or apparatus for drying wool or for discharging moisture from fibrous, granular or other materials."—*A communication to him from abroad by Woodford Pilkington, Civil Engineer, of Cape Colony, Cape of Good Hope.*
Provisional protection only.

LAKE. 2nd May 1868.	1446. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in buckets and other vessels of wood of analogous form, and in means for producing the same."— <i>A communication to him from abroad by David Lyman, of Middlefield, Connecticut, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
LAKE. 2nd May 1868.	1447. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in dynamometers."— <i>A communication to him from abroad by Charles Neer, of Brooklyn, New York, United States of America.</i> <i>Letters Patent sealed and specification filed by order.</i>
GLOVER. 4th May 1868.	1448. HOWARD GLOVER, of No. 13, New Church Street, Bermondsey, in the County of Surrey, Engineer, for an invention for—"Improvements in means for retaining corks or other stoppers in bottles." <i>Provisional protection only.</i>
GEDGE. 4th May 1868.	1449. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved process of applying a coating of silver upon any animal, vegetable or mineral substance."— <i>A communication to him from abroad by Artus Claude Loddé, junior, of 293, Rue St. Denis, Paris, France.</i> <i>Letters Patent sealed.</i>
VICKERS. 4th May 1868.	1450. ALBERT VICKERS, of Inverness Terrace, Bayswater, in the County of Middlesex, Gentleman, for an invention for—"An improved mode of locking the nuts of screw bolts."— <i>A communication to him from abroad by William Mullins, of Pittsburgh, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
MATHEI. 4th May 1868.	1451. IGNACE MATHEI, of Anvers, Belgium, Merchant, for an invention for—"Improved apparatus for warehousing petroleum, mineral or essential oils and other liquids." <i>Letters Patent sealed.</i>
ASTON. 4th May 1868.	1452. CHRISTOPHER PENRHYN ASTON, of Chelsea, in the County of Middlesex, for an invention for—"Improvements in chimney tops or pots." <i>Provisional protection only.</i>
WERTHEIM. HIRSCHHORN. 4th May 1868.	1453. JONAS WERTHEIM, and LOUIS HIRSCHHORN, carrying on business as Maurice Goldschmidt, Son, of Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in lockets."— <i>A communication to them from abroad by Henry Geissel, of Hanau, Prussia.</i> <i>Provisional protection only.</i>
PEMBERTON. PEMBERTON. 4th May 1868.	1454. THOMAS PEMBERTON, and GEORGE ARTHUR PEMBERTON, both of Birmingham, in the County of Warwick, Brass Founders, for an invention for—"Improvements in alarm bells, call bells and other bells." <i>Letters Patent sealed.</i>
MORGAN. MORGAN. 4th May 1868.	1455. EDWARD MORGAN, and GEORGE HENRY MORGAN, of Edgware Road, in the County of Middlesex, for an invention for—"Improvements in carriages." <i>Letters Patent sealed.</i>
MARSHALL. 4th May 1868.	1456. WILLIAM MARSHALL, of Old Basford, in the County of Nottingham, Clipper of Lace and other Fabrics, for an invention for—"Improvements in machinery or apparatus employed in the clipping of lace and other fabrics." <i>Letters Patent sealed.</i>
ESTOR. TERRERO. 4th May 1868.	1457. WILLIAM ESTOR, of Hampstead, in the County of Middlesex, Analytical Chemist, and MAXIMO TERRERO, of Belsize Park Gardens, in the said County, Esquire, for an invention for—"Improvements in the means of and apparatus for preserving animal and vegetable substances." <i>Letters Patent sealed.</i>
WRIGHT. 5th May 1868.	1458. DAVID PITCAIRN WRIGHT, of the firm of Wright and Butler, of Birmingham, in the County of Warwick, Lamp Manufacturers, for an invention for—"Improvements in the method of and means or apparatus for pouring, drawing off, measuring and regulating the flow of liquids." <i>Provisional protection only.</i>
WRIGHT. 5th May 1868.	1459. DAVID PITCAIRN WRIGHT, of the firm of Wright and Butler, of Birmingham, in the County of Warwick, Lamp Manufacturers, for an invention for—"Improvements in the manufacture of certain descriptions of taps." <i>Letters Patent sealed.</i>

TAYLOR.
5th May 1868.

1460. WILLIAM TAYLOR, of Woodstock Road, Poplar, in the County of Middlesex, for an invention for—"Improvements in the construction of iron and steel ships and other floating bodies, and in the mode of attaching or connecting and fixing wood planks to the sides and bottoms thereof, to receive the metal sheathing and other external and also internal fittings of iron and steel ships and other floating bodies."

Provisional protection only.

SKETCHLEY.
5th May 1868.

1461. WILLIAM SKETCHLEY, of Weymouth, in the County of Dorset, Machinist, for an invention for—"Improvements in machinery for wood cutting, joinery and mortising."

Provisional protection only.

SIEMENS.
5th May 1868.

1462. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the manufacture of cast steel and in working furnaces in connection therewith."

Provisional protection only.

ABEL.
5th May 1868.

1463. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in axle-boxes for the rolling stock of railways."—*A communication to him from abroad by Maximilian Schmid von Schmidfelden, of Odessa, in the Empire of Russia, Civil Engineer.*

Letters Patent sealed.

GERHARD.
5th May 1868.

1464. FREDERICK WILLIAM GERHARD, of Wolverhampton, in the County of Stafford, Chemist, for an invention for—"Improvements in motive-power engines actuated by steam or other vapour."

Provisional protection only.

DAWBER.
5th May 1868.

1465. JOHN DAWBER, of Over Darwen, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in steam-engines."

Provisional protection only.

CLOUGH.
5th May 1868.

1466. JOHN CLOUGH, of Grove Mill, Keighley, in the County of York, Worsted Spinner and Manufacturer, for an invention for—"Improvements in 'Screw-gill-boxes' for preparing wool and other fibrous substances."

Letters Patent sealed.

HICKMOTT.
5th May 1868.

1467. JOSEPH HICKMOTT, of Clapham, in the County of Surrey, Engineer, for an invention for—"Improvements in preserving metallic articles from oxidation and decay."

Letters Patent sealed.

COURT.
5th May 1868.

1468. JOHN COURT, of Sheerness, in the County of Kent, for an invention for—"Improvements in traps or apparatus for receiving sewage matters and separating the solid from the liquid portion thereof."

Provisional protection only.

KENT.
5th May 1868.

1469. GEORGE KENT, of No. 199, High Holborn, in the County of Middlesex, for an invention for—"Improvements in ice preservers, refrigerators and ice safes."

Letters Patent sealed.

MACGREGOR.
TAYSEN.
5th May 1868.

1470. DONALD ROBERT MACGREGOR, and PETER TAYSEN, both Merchants, of Leith, in the County of Edinburgh, for an invention for—"Improvements in the manufacture of paint for the protection of iron and other metals from the destructive influence of sea water, and for the prevention of fouling."—*A communication to them from abroad by Hans Wilhelm Matzen, of Sonderborg, Schleswig, Engineer.*

Letters Patent sealed.

BEALE.
5th May 1868.

1471. WILLIAM BEALE, of Taunton, in the County of Somerset, Builder, for an invention for—"Improvements in step and other ladders."

Letters Patent sealed.

WALKER.
SMITH.
5th May 1868.

1472. WILLIAM WALKER, and HENRY FREDERICK SMITH, both of Hull, in the County of York, Seed Crushers, for an invention for—"Improvements in apparatus employed for expressing oils from seeds or other substances."

Provisional protection only.

KING.
5th May 1868.

1473. FREDERICK JOHN KING, of Leadenhall Street, in the City of London, Manufacturer, for an invention for—"Improvements in the mode of preparing potatoes for preservation."

Letters Patent sealed.

LAMB.
TOVEY.
5th May 1868.

1474. JOHN LAMB, of Kidderminster, in the County of Worcester, Machinist, and SAMUEL TOVEY, of the same place, Auctioneer, for an invention for—"Improvements in bobbin frames for carpet looms."

Provisional protection only.

NEWTON. 5th May 1868.	1475. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for forming pickaxes and other tools."— <i>A communication to him from abroad by Harvey Lester Lowman, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
WILKINSON. 5th May 1868.	1476. JOHN WILKINSON the younger, of St. Helen's Mills, Hunslet, Leeds, in the County of York, for an invention for—"Improved machinery for printing carpets." <i>Provisional protection only.</i>
SCOTT. 6th May 1868.	1477. ADAM SCOTT, of 3, Blomfield Crescent, Paddington, London, W., in the County of Middlesex, for an invention for—"Improvement in the present method or means of attaching clothes to the person." <i>Provisional protection only.</i>
STANLEY. 6th May 1868.	1478. JOHN MARTIN STANLEY, of 7, East Parade, Rhyl, Engineer, for an invention for—"Improvements in the method of and apparatus for obtaining hot air for heating buildings." <i>Provisional protection only.</i>
LUBLINSKI. 6th May 1868.	1479. ROBERT LUBLINSKI, of 183 and 185, City Road, in the County of Middlesex, Stick Manufacturer, for an invention for—"Improvements in fasteners for the tips of umbrellas and parasols." <i>Letters Patent sealed.</i>
WARREN. 6th May 1868.	1480. THOMAS WARREN, of Glasgow, in the County of Lanark, North Britain, Glass Manufacturer, for an invention for—"Improvements in glass and other furnaces." <i>Letters Patent sealed.</i>
YOUNG. 6th May 1868.	1481. JOHN YOUNG, of Aspull, in the County of Lancaster, for an invention for—"Certain improvements in the construction of ovens to be employed in the manufacture of fuel termed 'coke,' oil and gas." <i>Letters Patent sealed.</i>
CHUBB. 6th May 1868.	1482. CHARLES JOHN CHUBB, of Canterbury House, West End, Hampstead, in the County of Middlesex, for an invention for—"An improved mode of getting coal, slate or other minerals, and an improved apparatus for effecting the purpose, which apparatus is also applicable to other uses." <i>Letters Patent sealed.</i>
PALMER. PALMER. 6th May 1868.	1483. JARVIS PALMER, and JAMES BRECKNOCK PALMER, both of Palace Works, Old Ford Road, Bow, for an invention for—"Improvements in the manufacture of friction matches and fuseses."— <i>A communication to them from abroad by Rudolf Herrmann, of Lahnstein, Nassau, Germany.</i> <i>Provisional protection only.</i>
DAVIES. 6th May 1868.	1484. HENRY JACKSON DAVIES, of Dalton in Furness, in the County of Lancaster, for an invention for—"Improvements in compositions for cleaning gold, silver and plated goods." <i>Provisional protection only.</i>
HENDERSON. 6th May 1868.	1485. ARTHUR CHARLES HENDERSON, of No. 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the mode of manufacturing albumen and in the apparatus connected therewith."— <i>A communication to him from abroad by Lazare Lévy, of Paris, in the Empire of France.</i> <i>Complete specification; Letters Patent sealed.</i>
DRUMMOND. CLARE. HUGHES. 6th May 1868.	1486. SAMUEL DRUMMOND, of Ardwick, Manchester, in the County of Lancaster, Salesman, JOSEPH CLARE, of Greenfield, Saddleworth, in the County of York, Manufacturer, and RICHARD HUGHES, of Didsbury, in the County of Lancaster, Salesman, for an invention for—"Improvements applicable to the prevention of fraud in the collection of fares in omnibusses and other carriages, and in apparatus connected therewith." <i>Provisional protection only.</i>
HALL. 6th May 1868.	1487. FREDERIC THOMAS HALL, of Gray's Inn Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of railway and other like tickets, to adapt the same as mediums for advertisements."— <i>A communication to him from abroad by Edouard Heit, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 6th May 1868.	1488. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in combs."— <i>A communication to him from abroad by Charles Horace Noyes, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>

- HENRY.
6th May 1868. 1489. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of steel and iron and other metals, and in furnaces employed in the said manufacture."—*A communication to him from abroad by the Société Coignet, père et fils et Compagnie, of 17, Boulevard Saint Martin, Paris, France.* Letters Patent sealed.
- HOLT.
KEARSLEY.
6th May 1868. 1490. SAMUEL HOLT, Colliery Agent, and JAMES KEARSLEY, Carriage Builder, both of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in means or arrangements for making observations on railways for the purpose of preventing accidents, and in signalling or communicating between one part of a railway train and another." Letters Patent sealed.
- WALKER.
STEIN.
6th May 1868. 1491. JAMES GRAHAM WALKER, of Bonnington, and CHARLES STEIN, of Leith, both in the County of Mid Lothian, North Britain, for an invention for—"Improvements in separating tares and other impurities from grain and other seeds, and in the apparatus or means connected therewith."—*A communication to them from abroad by William Walker Gibson and Walter Berry, at present residing at Trieste, in the Empire of Austria.* Letters Patent sealed.
- WALKER.
6th May 1868. 1492. JAMES GRAHAM WALKER, of Bonnington Steam Mills, Bonnington, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in dressing millstones and in the machinery or apparatus employed therefor." Letters Patent sealed.
- HARVIE.
6th May 1868. 1493. WILLIAM HARVIE, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the construction of lamps and lanterns, and in lenses employed therewith." Letters Patent sealed.
- JOHNSON.
6th May 1868. 1494. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improved means for increasing the draught in steam-boiler and other furnaces or fire-places."—*A communication to him from abroad by Jearum Atkins, of the City of Washington, D.C., in the United States of America.* Provisional protection only.
- MUIR.
McILWHAM.
7th May 1868. 1495. MATTHEW ANDREW MUIR, and JAMES McILWHAM, both of Glasgow, in the County of Lanark, North Britain, Machinists, for an invention for—"Improvements in power looms." Letters Patent sealed.
- BONNEVILLE.
7th May 1868. 1496. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in spring mattresses and seats."—*A communication from Joanny Laurent, a person resident at Lyons, in the Empire of France, aforesaid.* Letters Patent sealed.
- PICKERING.
7th May 1868. 1497. BENJAMIN PICKERING, of Hull, in the County of the Town or Borough of Kingston-upon-Hull, Seed Crusher, for an invention for—"Improvements in apparatus used in expressing oils and fatty matters from seeds and from substances in which such matters are contained." Letters Patent sealed.
- GREEN.
7th May 1868. 1498. RICHARD ANGELL GREEN, of 82, Strand, in the County of Middlesex, for an invention for—"Improvements in bearings, shafts or pivots applicable to machinery, apparatus, instruments and other useful purposes." Letters Patent sealed.
- HENDERSON.
7th May 1868. 1499. ARTHUR CHARLES HENDERSON, of No. 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of plates for heliographic engraving."—*A communication to him from abroad by Octave Victor Fournier, of Paris, in the Empire of France.* Letters Patent sealed.
- HENDERSON.
7th May 1868. 1500. ARTHUR CHARLES HENDERSON, of No. 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"An improved mode of renovating files by an electro-chemical process."—*A communication to him from abroad by le Comte Henry de la Tour du Breuil, le Comte Thomas de Dienheim Brochovsky, and Horace Baynes, Engineer, all resident at Florence, in the Kingdom of Italy.* Letters Patent sealed.
- CORNISH.
7th May 1868. 1501. KENNETH HENRY CORNISH, of South Molton Street, in the County of Middlesex, for an invention for—"Improvements in the construction of entrenching tools intended to be applied to fire-arms." Provisional protection only.

HARLOW.
7th May 1868.

1502. ROBERT HARLOW, of Heaton Norris, in the County of Lancaster, Brass Founder, for an invention for—"Improvements in apparatus for supplying water to and withdrawing water from baths, wash-basins and other receptacles."

Provisional protection only.

STRAUSS.
7th May 1868.

1503. ADOLPH STRAUSS, of Basinghall Street, in the City of London, Merchant, for an invention for—"An improvement in pipes for smoking."

Letters Patent sealed.

JOHNSON.
7th May 1868.

1504. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Leonard Erni, of Zurich, Machinist.*

Letters Patent sealed.

GEDGE.
7th May 1868.

1505. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved portable apparatus for administering resinous sudations."—*A communication to him from abroad by Messieurs Taillotte and Henry Caudron, both of 15, Passage des Petites Ecuries, Paris, France.*

Provisional protection only.

GEDGE.
7th May 1868.

1506. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improvement in throstle frames for spinning flax, tow, hemp, jute, silk, wool or cotton."—*A communication to him from abroad by Parent-Monfort, Page-Drino, and Cimetière-Norbert, all of Lannoy, Nord, France.*

Provisional protection only.

EVANS.
BRUCE.
7th May 1868.

1507. ROBERT EVANS, of Birmingham, in the County of Warwick, Miller, and JOHN BRUCE, of Birmingham, aforesaid, Engineer, for an invention for—"Improvements in machinery or apparatus for dressing millstones."

Provisional protection only.

BRUCE.
EVANS.
7th May 1868.

1508. JOHN BRUCE, of Birmingham, in the County of Warwick, Engineer, and ROBERT EVANS, of Birmingham, aforesaid, Miller, for an invention for—"Improvements in bolters used for dressing flour and for other like purposes."

Letters Patent sealed.

MILLER.
HERBERT.
WATSON.
8th May 1868.

1509. RICHARD KERR MILLER, and ABRAHAM BURBERY HERBERT, of Edinburgh, in the County of Mid Lothian, North Britain, and HENRY WATSON, of Newcastle-on-Tyne, in the County of Northumberland, for an invention for—"Improvements in 'knotters' for straining paper pulp."

Provisional protection only.

BOWDEN.
DICKINSON.
8th May 1868.

1510. GEORGE BOWDEN, and JOHN REED DICKINSON, of 314, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in apparatus or means for protecting the points of brushes and pencils."

Letters Patent sealed.

PENRICE.
8th May 1868.

1511. HERBERT NEWTON PENRICE, of Wilton House, near Norwich, for an invention for—"Improvements in machinery employed in forming tunnels and galleries in rocks."

Letters Patent sealed.

HUSBAND.
DIERING.
8th May 1868.

1512. WILLIAM HUSBAND, of Hayle, in the County of Cornwall, Civil Engineer, and FREDERICK BERNARD DIERING, of Victoria Street, in the City of Westminster, Civil Engineer, for an invention for—"An improved mode of and apparatus for securing or holding the stands or frames of rock-boring or excavating machines, part of which apparatus is applicable to connecting such machines with their stands or frames."

Letters Patent sealed.

BROOMAN.
8th May 1868.

1513. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in preparing zirconia and the employment of the same to develop the light of oxyhydrogen flame."—*A communication to him from abroad by the Company or Society "Cyprien Tessié du Motay and Company," of Paris, France.*

Letters Patent sealed.

JAMES.
8th May 1868.

1514. ARTHUR JAMES, of Redditch, in the County of Worcester, Needle Manufacturer, for an invention for—"Improvements in machinery for polishing needles."

Letters Patent sealed.

SECK.
8th May 1868.

1515. WILLIAM SECK, of No. 46, Schöne Aussicht, Bockenheim, near Frankfurt-on-the-Maine, in the Kingdom of Prussia, but temporarily residing at No. 22, Richmond Terrace, Clapham Road, in the County of Surrey, Mechanical Engineer, for an invention for—"Improvements in machinery or apparatus for hulling and winnowing grain."
Letters Patent sealed.

JONES.
8th May 1868.

1516. JOHN ALLCOCK JONES, of Middlesborough, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of iron and steel."
Letters Patent sealed.

GRIFFIN.
9th May 1868.

1517. GEORGE FEATHERSTONE GRIFFIN, of 19, Great George Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"A certain novel application to the corking of bottles, enabling the cork to be withdrawn without injury thereto."
Letters Patent sealed.

BOWLER.
9th May 1868.

1518. JOHN COBB BOWLER, of Bowden, in the County of Chester, for an invention for—"Certain improvements in castors or similar rolling supports for furniture."
Provisional protection only.

NORMAN.
9th May 1868.

1519. JOHN NORMAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in calcining, burning or oxidising ores, minerals, metals and other substances, and in reducing oxides and salts of metals and other substances, and in apparatus for these purposes."
Letters Patent sealed.

EVERITT.
9th May 1868.

1520. WILLIAM EDWARD EVERITT, of Birmingham, in the County of Warwick, Tube Manufacturer, for an invention for—"Improvements in casting copper tubes and cylinders."
Letters Patent sealed.

HAZARD.
GRIMWOOD.
9th May 1868.

1521. HENRY HERBERT HAZARD, of 455, New Cross Road, Deptford, in the County of Kent, Engineer, and WILLIAM GRIMWOOD, of 12, North Road, New Cross Road, aforesaid, Engineer, for an invention for—"Improvements in coiling or revolving shutters."
Provisional protection only.

MOULTON.
9th May 1868.

1522. STEPHEN MOULTON, of Bradford, in the County of Wilts, India-Rubber Manufacturer, for an invention for—"Improvements in the treatment of vulcanized or cured india-rubber, for obtaining a substance of a mossy nature suitable for printers' inking rollers, cushions and other articles."
Letters Patent sealed.

WAYGOOD.
9th May 1868.

1523. RICHARD WAYGOOD, of Newington, in the County of Surrey, for an invention for—"Improvements in stoves or apparatus for cooking."
Letters Patent sealed.

CLARK.
9th May 1868.

1524. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Jean Mathieu Deprez, Gunmaker, of 13, Boulevard St. Martin, Paris.*
Letters Patent sealed.

WILKINSON.
9th May 1868.

1525. WILLIAM HENRY WILKINSON, of Southwick, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved method of combining or uniting types and constructing cases to contain the same, for the purposes of type composition."
Letters Patent sealed.

CRANE.
9th May 1868.

1526. JOHN HENRY CRANE, of the Royal Exchange, in the City of London, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms."
Provisional protection only.

SEYDEL.
9th May 1868.

1527. GEORGE THEODORE SEYDEL, of Tavistock Place, Tavistock Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for heating and ventilating buildings, part of which improvements are also applicable to steam-boilers or steam generators."
Letters Patent sealed.

HALL.
9th May 1868.

1528. SYDNEY HALL, of Swansea, Civil Engineer, for an invention for—"Improvements in the manufacture of artificial fuel."
Provisional protection only.

BIGGS.
9th May 1868.

1529. JOHN HOWARD WORTHINGTON BIGGS, of Manchester, for an invention for—"Improvements in apparatus for selecting warp threads and for drawing them through the eyes of harness and through reeds."
Letters Patent sealed.

MOORE. 11th May 1868.	1530. RALPH MOORE, of Glasgow, in the County of Lanark, North Britain, Civil Engineer, for an invention for—"Improvements in the manufacture or treatment of crushed sugar."— <i>A communication to him from abroad by Claus Spreckles, of San Francisco, California.</i> <i>Letters Patent sealed.</i>
CROSSLEY. 11th May 1868.	1531. JAMES CROSSLEY, Manager to "The Heckmondwike Iron Works Company, Limited," at Heckmondwike, in the County of York, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
WEBSTER. BARNES. 11th May 1868.	1532. WILLIAM WEBSTER, of Southport, in the County of Lancaster, White-smith, and ROBERT WILLIAM BARNES, of the same place, Photographic Artist, for an invention for—"Improvements in head and waist rests for the use of photographers." <i>Provisional protection only.</i>
BOUCHER. 11th May 1868.	1533. ALEXANDRE DÉSIRÉ EUGÈNE BOUCHER, of Fumay, Département des Ardennes, in the Empire of France, Iron Founder, for an invention for—"An improved process of moulding hollow metallic pieces provided with a single aperture, such as shells, hollow balls, door knobs and all articles of the same description." <i>Letters Patent sealed.</i>
BOUCHER. 11th May 1868.	1534. ALEXANDRE DÉSIRÉ EUGÈNE BOUCHER, of Fumay, Département des Ardennes, in the Empire of France, Iron Founder, for an invention for—"Applying enamelled cast iron to supersede china and crystal in certain household articles of furniture and fixtures such as door knobs, heads of handrails and other similar articles." <i>Letters Patent sealed.</i>
DIX. 11th May 1868.	1535. ALEXANDER MILLS DIX, of Shelton, in the County of Stafford, Brewer, for an invention for—"An improved mode of and apparatus for supplying finings or other liquids to casks or other vessels." <i>Letters Patent sealed.</i>
BROOMAN. 11th May 1868.	1536. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in furnaces or heating apparatus."— <i>A communication to him from abroad by Eugene Alexandre Frederic Goguel, of St. Etienne, France.</i> <i>Provisional protection only.</i>
LAKE. 11th May 1868.	1537. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved device for holding scrubbing brushes."— <i>A communication to him from abroad by Thomas Jefferson Strong, of Brooklyn, New York, United States of America.</i> <i>Letters Patent sealed.</i>
KINGHAM. 11th May 1868.	1538. JACOB BENJAMIN KINGHAM, of Dorchester, Norfolk County, State of Massachusetts, in the United States of America, for an invention for—"Improvements in nail machines." <i>Complete specification; Letters Patent sealed.</i>
HOLBROOK. 11th May 1868.	1539. AMOS HOLBROOK, junior, of Lynn, in the County of Essex and State of Massachusetts, of the United States of America, for an invention for—"A machine for sewing books." <i>Complete specification; Letters Patent sealed.</i>
LEAKE. BEEVERS. 11th May 1868.	1540. RICHARD LEAKE, and JOSEPH BEEVERS, both of Barnsley, in the County of York, for an invention for—"Improvements in apparatus for the prevention of smoke in steam-boiler and other furnaces." <i>Letters Patent sealed.</i>
BUXTON. 12th May 1868.	1541. SIDNEY BUXTON, of 187, Southgate Road, Kingsland, in the County of Middlesex (Clerk), for an invention for—"Improvements in writing and printing pens." <i>Provisional protection only.</i>
BRIGGS. 12th May 1868.	1542. THOMAS BRIGGS, of the City of Manchester, Tarpauling Manufacturer, for an invention for—"Improvements in connecting the ends of metal bands for securing bales." <i>Provisional protection only.</i>
DEAN. 12th May 1868.	1543. GEORGE ALFRED HENRY DEAN, trading under the style or firm of Dean and Son, of Ludgate Hill, in the City of London, Stationer, for an invention for—"Improvements in envelopes."— <i>A communication to him from abroad by Charles Marshall, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
LAKE. 12th May 1868.	1544. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in fans and in the method of combining the same with pocket-books and other like articles."— <i>A communication to him from abroad by Otto Brück, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>

- POPE.
12th May 1868.
ARMSTEAD.
12th May 1868.
VERO.
12th May 1868.
SHINTON.
12th May 1868.
BROWN.
12th May 1868.
NUTT.
12th May 1868.
SLATER.
13th May 1868.
BOULTON.
13th May 1868.
CROSSLEY.
CROSSLEY.
13th May 1868.
BARLOW.
13th May 1868.
DIXON.
13th May 1868.
PRINCE.
PRINCE.
13th May 1868.
ALLEN.
13th May 1868.
FARROW.
13th May 1868.
CHAMBERLAIN.
13th May 1868.
SEFI.
13th May 1868.
1545. THOMAS POPE, of Twickenham, in the County of Middlesex, for an invention for—"An improved curry-comb." *Provisional protection only.*
1546. SEPTIMUS FOWELL ARMSTEAD, of 19, Barnsbury Street, Islington, in the County of Middlesex, for an invention for—"An improved blow-pipe apparatus." *Provisional protection only.*
1547. CHARLES VERO, of Atherstone, in the County of Warwick, Hat Manufacturer, for an invention for—"Improvements in the manufacture of hats or coverings for the head." *Letters Patent sealed.*
1548. THOMAS SHINTON, of Blaina, near Newport, in the County of Monmouth, for an invention for—"Improvements in forming the ends and joints of pipes." *Letters Patent sealed.*
1549. WILLIAM DONALDSON BROWN, of Mains of Turin, in the County of Forfar, North Britain, for an invention for—"Improvements in reaping and mowing machines." *Letters Patent sealed.*
1550. JOSEPH HASSELL NUTT, of the Borough of Kingston-upon-Hull, Oil-press, Hair and Bagging Manufacturer, for an invention for—"An improved manufacture of straining surface for oil and other like presses." *Provisional protection only.*
1551. JAMES SLATER, Engineer, 12, Catherine Terrace, Lansdowne Road, S.W., in the County of Surrey, for an invention for—"An improved method of breaking up macadamised roads and other surfaces, and apparatus or machinery therefor." *Provisional protection only.*
1552. SAMUEL BAGSTER BOULTON, of No. 39A, King William Street, in the City of London, for an invention for—"Improvements in the means and apparatus for landing, loading and conveying timber in timber-yards and saw-mills, as also in apparatus for facilitating the sawing of such timber." *Letters Patent sealed.*
1553. FRANCIS WILLIAM CROSSLEY, and WILLIAM JOHN CROSSLEY, of the firm of Crossley Brothers, Engineers and Machine Makers, of the City of Manchester, for an invention for—"Improvements in machinery for breaking the 'boon' or refuse portion of flax and other plants, and separating it from the fibres thereof." *Letters Patent sealed.*
1554. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in apparatus for preventing the incrustation and the accumulation of sediment in steam-boilers."—*A communication to him from abroad by Carl Forster, junior, of Augsburg, in the Kingdom of Bavaria.* *Letters Patent sealed.*
1555. GEORGE DIXON, of Canonbury, in the Parish of Saint Mary, Islington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of upholsterers' fringes and other trimmings." *Letters Patent sealed.*
1556. ALEXANDER PRINCE, and ALEXANDER CHARLES MONTAGUE PRINCE, both of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in telegraphic communication by pneumatic means, and in the apparatus employed therein." *Provisional protection NOT allowed.*
1557. STILLMAN BOYD ALLEN, of Boston, of the State of Massachusetts, of the United States of America, for an invention for—"An improvement in rasps."—*A communication to him by Hiram Nickerson, a person resident at Boston, in the State of Massachusetts.* *Letters Patent sealed.*
1558. CHARLES FARROW, of No. 18, Great Tower Street, in the City of London, for an invention for—"Improvements in apparatus for cleansing bottles, jars and casks." *Letters Patent sealed.*
1559. JAMES WING CHAMBERLAIN, of the State of Massachusetts, of the United States of America, for an invention for—"An improvement in steam-engines."—*A communication to him by William Tyler Chamberlain, a person resident at Norwich, in the State of Connecticut.* *Complete specification; Letters Patent sealed.*
1560. MICHAEL SEFI, of 25, Old Broad Street, in the City of London, Engineer, for an invention for—"Improvements in the method of or means for preventing the corrosion or incrustation of marine and other boilers." *Provisional protection only.*

TAYLOR. 13th May 1868.	1561. WILLIAM TAYLOR, of Woodstock Road, Poplar, in the County of Middlesex, for an invention for—"Improvements in the construction of iron and steel ships and other floating bodies, and in the mode of attaching or connecting and fixing wood planks to the sides and bottoms thereof, to receive the metal sheathing and other external and also internal fittings of iron and steel ships and other floating bodies." <i>Letters Patent sealed.</i>
BALDWIN. 13th May 1868.	1562. WILLIAM BALDWIN, of Blackburn, in the County of Lancaster, Weaver, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
MULLORD. MULLORD. 13th May 1868.	1563. HENRY BARTHOLOMEW MULLORD, and ALEXANDER MULLORD, Manufacturing Stationers, both of Hoxton, in the County of Middlesex, for an invention for—"Improved materials for the manufacture or ornamentation of bonnets and other articles." <i>Provisional protection only.</i>
ILES. 13th May 1868.	1564. CHARLES ILES, of Balsall Heath, in the County of Worcester, Manufacturer, for an invention for—"Improvements in the manufacture and ornamenting of thimbles." <i>Letters Patent sealed.</i>
CLUNES. DAVIS. 13th May 1868.	1565. ROBERT MORTIMER CLUNES, and FREDERICK WILLIAM DAVIS, both of Worcester, in the County of Worcester, for an invention for—"Improvements in harrows." <i>Provisional protection only.</i>
NEWTON. 13th May 1868.	1566. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in braces or suspenders."— <i>A communication to him from abroad by A. H. Jacobs, of the firm of A. H. Jacobs and Company, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
DIXON. 13th May 1868.	1567. FREDERICK DIXON, of Clipstone Street, in the County of Middlesex, Labourer, for an invention for—"Improvements in the construction of packing cases or boxes for holding bottles containing liquids." <i>Provisional protection only.</i>
NEWTON. 13th May 1868.	1568. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in axles and axle boxes."— <i>A communication to him from abroad by James Finlay, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
TASKER. 13th May 1868.	1569. WILLIAM TASKER the younger, of the Waterloo Iron Works, near Andover, in the County of Hants, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
WILSON. 14th May 1868.	1570. JACOB WILLIAM WILSON, of No. 18A, Wigmore Street, Cavendish Square, in the County of Middlesex, for an invention for—"Improved spring stuffing." <i>Provisional protection not allowed.</i>
MARSDEN. BLAMIRE. 14th May 1868.	1571. HARRY MARSDEN, and THOMAS HOWARD BLAMIRE, of Huddersfield, in the County of York, for an invention for—"Improvements in means or apparatus employed in the process of manufacturing wadding or felted fabrics." <i>Provisional protection only.</i>
GADD. MOORE. 14th May 1868.	1572. WILLIAM GADD, of the Town and the County of the Town of Nottingham, Consulting Engineer, and JOHN MOORE, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
ASHFORD. COLLINS. 14th May 1868.	1573. JOHN ASHFORD, of Birmingham, in the County of Warwick, Black Ornament Manufacturer, and WALTER HENRY COLLINS, of Birmingham, aforesaid, Jeweller, for an invention for—"Improvements in dress ornaments." <i>Provisional protection only.</i>
DE SAINTE MARIE. 14th May 1868.	1574. GEORGES DE SAINTE MARIE, of Arcueil, near Paris (France), Manufacturer, for an invention for—"An improved mode of coloring or ornamenting capsules, tubes and metallic foil." <i>Provisional protection only.</i>
KAY. 14th May 1868.	1575. THOMAS BISPHAM KAY, of Bolton, in the County of Lancaster, for an invention for—"Certain improvements in carding-engines to be employed for carding cotton and other fibrous substances." <i>Letters Patent sealed.</i>

- KÖNIG.
14th May 1868. 1576. OTTO KÖNIG, of Watling Street, in the City of London, Merchant, for an invention for—"A new or improved album or case for exhibiting a series of photographic or other pictures, designs or drawings."—*A communication to him from abroad by François Vité, of Berlin, Prussia.*
Provisional protection only.
- DRIVER.
14th May 1868. 1577. JEREMIAH DRIVER, of Keighley, in the County of York, for an invention for—"Improvements in effecting the consumption of smoke and economy of fuel in steam-boiler and other furnaces."
Letters Patent sealed.
- DEWAR.
14th May 1868. 1578. JAMES DEWAR, Doctor of Medicine, residing at Kirkcaldy, in the County of Fife, North Britain, for an invention for—"Improvements in preserving certain vegetable substances for use as food for animals."
Letters Patent sealed.
- PIPER.
14th May 1868. 1579. JOHN EDWIN PIPER, of Wilson Street, Finsbury, in the County of Middlesex, for an invention for—"A new or improved oil for lubricating machinery."
Letters Patent sealed.
- NEWTON.
14th May 1868. 1580. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of felt hats."—*A communication to him from abroad by William Berry Lodge and Hiram Platner, both of Danbury, in the State of Connecticut, United States of America.*
Letters Patent sealed.
- NEWTON.
14th May 1868. 1581. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam-engines."—*A communication to him from abroad by Kellogg Hubbard Loomis, of the City and State of New York, United States of America.*
Letters Patent sealed.
- BELL.
14th May 1868. 1582. VALENTINE GREME BELL, of St. John's Wood, in the County of Middlesex, Engineer, for an invention for—"Improvements in locomotive engines and tenders."
Letters Patent sealed.
- BROWN.
JONES.
14th May 1868. 1583. WILLIAM ARMITAGE BROWN, of 27, Victoria Road, Peckham, in the County of Surrey, and RICHARD LIONEL JONES, of 423, Edgware Road, in the County of Middlesex, Civil Engineers, for an invention for—"An improved hand signal lamp."
Letters Patent sealed.
- BASEVI.
14th May 1868. 1584. NATHANIEL BASEVI, of San Remo, Belgrave Road, Torquay, in the County of Devon, Esquire, for an invention for—"Improvements in projectiles."—*A communication to him from abroad by Charles Edward Basevi, of Jacobabad, East Indies, Captain in the Royal Artillery.*
Letters Patent sealed.
- ASHWORTH.
14th May 1868. 1585. EDWARD ASHWORTH, of Carr Bank, Ramsbottom, near Manchester, for an invention for—"Improvements in the construction of telescopic rollers for use in machines for drying and tentering fabrics and for other purposes."
Provisional protection only.
- WALKER.
14th May 1868. 1586. WILLIAM WALKER, of East Cross Causeway, in the City of Edinburgh, Practical Engineer, for an invention for—"Improvements in the processes of cutting and dressing millstones, and in apparatus to be employed for such purpose."
Letters Patent sealed.
- WALKER.
14th May 1868. 1587. JAMES GRAHAM WALKER, of Bonnington Steam Mills, Bonnington, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in dressing stone and in the machinery or apparatus employed therefor."
Provisional protection only.
- LAKE.
14th May 1868. 1588. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus for marking or directing boxes and parcels, and for other like purposes."—*A communication to him from abroad by William Wirt Secombe, of the City and State of New York, United States of America, Manufacturer.*
Provisional protection only.
- GATHERCOLE.
COMYN.
15th May 1868. 1589. THOMAS JAMES GATHERCOLE, of 175, High Street, Homerton, in the County of Middlesex, Engineer, and THOMAS ROSS COMYN, of Raleigh House, Mare Street, Hackney, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of frames and furniture for umbrellas, sunshades, parasols and other such like articles."
Provisional protection only.

CROFTS. 15th May 1868.	1590. HOLMES CHENEY CROFTS, of Chatham, in the County of Kent, Chemist, for an invention for—"Improvements in the manufacture of bricks or building blocks." <i>Letters Patent sealed.</i>
JOHNSON. 15th May 1868.	1591. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of hollow bricks or blocks to be used for the floors, ceilings and other parts of buildings, and in apparatus for moulding or manufacturing the same."— <i>A communication to him from abroad by François Louis Sabrou, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
JOHNSON. 15th May 1868.	1592. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in frames or holders for containing photographs, miniatures, hairwork pictures or engravings and other like articles, and in apparatus or means employed in their manufacture."— <i>A communication to him from abroad by Joseph François Antoine Aubriot-Roussaux and Lucien Vincent, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HICKS. 15th May 1868.	1593. JAMES HICKS, of 18, Ifield Road, Fulham Road, Kensington, in the County of Middlesex, for an invention for—"The application of a method or methods of connecting or disconnecting the bellows or the bellows and windchest, with the notes or reeds and keyboard in certain musical instruments." <i>Provisional protection only.</i>
HYDE. 15th May 1868.	1594. FREDERICK HYDE, of Hazel Grove, near Stockport, in the County of Chester, Mill Manager, for an invention for—"Improvements in the construction of bevel gearing." <i>Provisional protection only.</i>
SINGLETON. 15th May 1868.	1595. THOMAS SINGLETON, of Over Darwen, in the County of Lancaster, for an invention for—"Improvements in looms for weaving and in shuttles used therein." <i>Provisional protection only.</i>
CHAMBERS. BROADHEAD. 15th May 1868.	1596. SAMSON CHAMBERS, and CHARLES BROADHEAD, of Brightside, Sheffield, in the County of York, Engineers, for an invention for—"Improved means of preventing the radiation of heat from steam pipes, cylinders and boilers." <i>Provisional protection only.</i>
PELARD. 15th May 1868.	1597. AUGUSTE PELARD, of 15, Passage des Petites Ecuries, Paris, in the Empire of France, Merchant, for an invention for—"Improved portable hydrotherapeutic apparatus." <i>Provisional protection only.</i>
NEWTON. 15th May 1868.	1598. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in liquid meters."— <i>A communication to him from abroad by Joshua Mason, of Paterson, in the State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
ROBEY. 15th May 1868.	1599. JAMES ROBEY, of the Victoria Sugar Refinery, of Newcastle-under-Lyme, in the County of Stafford, for an invention for—"Improvements in furnaces for consuming smoke." <i>Provisional protection only.</i>
SMITH. SMITH. 15th May 1868.	1600. WILLIAM SMITH, and GEORGE BROWNE SMITH, both of Kennington Park Road, in the County of Surrey, Gas Meter Manufacturers, for an invention for—"Improvements in dry and wet gas meters." <i>Letters Patent sealed.</i>
CLARK. 15th May 1868.	1601. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by Mr. Legrand, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
LAKE. 15th May 1868.	1602. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of embalming or preserving dead bodies."— <i>A communication to him from abroad by Charles Augustus Seely, Charles James Eames, William Robert Cotton Clark, and Mary Louisa Booth, all of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PRICE. 15th May 1868.	1603. JAMES PRICE, of the City of Dublin, Engineer, for an invention for—"Improvements in testing the durability and strength of rails, and for ascertaining the efficiency of the various parts, forms and arrangements of permanent way of railways, and in the machinery or apparatus employed therefor." <i>Letters Patent sealed.</i>

TONGUE.
16th May 1868.

1604. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in apparatus for sewing or stitching together the numbers or separate parts of a volume, in the operation of book-binding."—*A communication to him from abroad by Henry Graham Thompson, of New York, United States of America.* *Provisional protection only.*

RULE.
16th May 1868.

1605. WILLIAM RULE the younger, of Dolcoath Mine, in the Parish of Camborne, in the County of Cornwall, Tin Dresser, for an invention for—"An improved machine or apparatus for dressing metallic ores." *Provisional protection only.*

KING.
AUCHINVOLE.
PATRICK.
16th May 1868.

1606. HENRY JAMES HOGG KING, JOHN AUCHINVOLE, and ALEXANDER PATRICK, all of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in gauges or apparatus for ascertaining pressure." *Letters Patent sealed.*

BRIGGS.
16th May 1868.

1607. TIMOTHY BRIGGS, of Street Lane, in the Parish of Ripley, in the County of Derby, for an invention for—"Machinery for communicating and signalling between passengers, guards and drivers of railway trains." *Letters Patent sealed.*

MURRAY.
16th May 1868.

1608. ANDREW JOHN MURRAY, of Albany Road, Camberwell, in the County of Surrey, Esquire, for an invention for—"Improvements in reaping-machines." *Letters Patent sealed.*

RAYNER.
16th May 1868.

1609. ROBERT RAYNER, of Lower Clapton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus employed for cooking, boiling, melting and evaporating purposes."—*A communication to him from abroad by Sarah Elizabeth Saul, of the City, County and State of New York, United States of America.* *Provisional protection only.*

CLARK.
16th May 1868.

1610. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in lamps for burning mineral oils and essences."—*A communication to him from abroad by Louis Désiré Defienne, Gentleman, and Paul Hyacinthe Girardin, Manufacturer of Bronzes, both of 13, Boulevard St. Martin, Paris.* *Letters Patent sealed.*

ADAMS.
16th May 1868.

1611. JAMES ALISON ADAMS, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in cooking ranges." *Letters Patent sealed.*

GOLDEN.
16th May 1868.

1612. CHARLES GOLDEN, of Bradford, in the County of York, Gun Maker, for an invention for—"Improvements in breech-loading guns." *Letters Patent sealed.*

ALLDAY.
16th May 1868.

1613. WILLIAM ALLDAY, of Birmingham, in the County of Warwick, Bellows Manufacturer, for an invention for—"Improvements in forge and other bellows." *Letters Patent sealed.*

PARKES.
16th May 1868.

1614. ALEXANDER PARKES, of Liverpool Street, Birmingham, for an invention for—"Improvements in the manufacture of parkesine or compounds of pyroxyline, to render such materials more suitable for making billiard balls and for other purposes." *Letters Patent sealed.*

PRICE.
16th May 1868.

1615. GEORGE PRICE, of Dover Street, Ryde, for an invention for—"Improvements in pianos and other keyed musical instruments." *Letters Patent sealed.*

SMITH.
16th May 1868.

1616. GEORGE SMITH, of Coalville, near Leicester, for an invention for—"Improvements in pressing and finishing hollowed or chambered bricks and blocks, either of plastic materials or powdered clay dust, for building purposes, and in the apparatus employed therefor." *Provisional protection only.*

GEDGE.
16th May 1868.

1617. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved process for extracting or removing wool and hair from hides or skins."—*A communication to him from abroad by Paul Clérin, of 39, Faubourg St. Martin, Paris, France.* *Letters Patent sealed.*

LAKE.
16th May 1868.

1618. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in apparatus employed in the manufacture of iron and steel."—*A communication to him from abroad by Alexander Lyman Holley and John B. Pearse, both of Swatara, Pennsylvania, United States of America.* *Letters Patent sealed.*

HAMILTON. 16th May 1868.	1619. MILTON ALEXANDER HAMILTON, of Detroit, Michigan, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved churn." <i>Complete specification ; Letters Patent sealed.</i>
ANDERSON. 18th May 1868.	1620. JAMES WHITELAW ANDERSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in 'temples' for looms and in the cases containing them," <i>Provisional protection only.</i>
BILLINGTON. JOLLEY. 18th May 1868.	1621. EDWARD BILLINGTON, of Reddish, in the County of Lancaster, Engineer, and WILLIAM JOLLEY, of Heaton Norris, in the County of Lancaster, Foreman, for an invention for—"Improvements in apparatus for conveying and regulating the pressure of steam passing through pipes or other vessels, and taking off condensed water from the same."— <i>Partly the result of their own invention, and partly communicated to them from abroad by Bernhard August Schaeffer and Christian Frederick Budenburg, of Buckau, Magdeburg, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
MANWARING. 18th May 1868.	1622. WILLIAM MANWARING, of the Britannia Works, Banbury, in the County of Oxon, Engineer, for an invention for—"Improvements in lawn mowing-machines." <i>Letters Patent sealed.</i>
WATSON. 18th May 1868.	1623. GEORGE WATSON, of Bromley Street, Commercial Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for raising and lowering weights." <i>Letters Patent sealed.</i>
NEEDHAM. KITE. 18th May 1868.	1624. WILLIAM NEEDHAM, and JAMES KITE, both of Vauxhall, in the County of Surrey, Engineers, for an invention for—"Improvements in preparing filtering surfaces for the depuration of fluids." <i>Provisional protection only.</i>
GOLDSTEIN. 18th May 1868.	1625. LOUIS GOLDSTEIN, of Bradford, in the County of York, Merchant, for an invention for—"Improvements in umbrella and parasol cloths." <i>Provisional protection only.</i>
SPENCER. 18th May 1868.	1626. JOHN FREDERICK SPENCER, of Sunderland, in the County of Durham, Consulting Engineer, for an invention for—"Improvements in working the valves of steam and other engines." <i>Letters Patent sealed.</i>
CLARK. 18th May 1868.	1627. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for ironing and finishing linen and other fabrics."— <i>A communication to him from abroad by Jules Decoudun, Engineer, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MITCHELL. 18th May 1868.	1628. JOSEPH MITCHELL, of Sheffield, in the County of York, Spring Manufacturer, for an invention for—"Improvements in railway and other carriage springs, and in the machinery or apparatus for manufacturing the same." <i>Letters Patent sealed.</i>
GRANTHAM. 18th May 1868.	1629. JOHN GRANTHAM, of King's Arms Yard, in the City of London, Civil Engineer, for an invention for—"Improvements in the construction of iron and steel built ships and in rudders." <i>Letters Patent sealed.</i>
VAUGHAN. 19th May 1868.	1630. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the preparation of anhydrous chlorides by means of sulphides or their elements."— <i>A communication to him from abroad by Paul Curie, of Bourdeaux, in the Empire of France.</i> <i>Letters Patent sealed.</i>
VAUGHAN. 19th May 1868.	1631. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of pipes for smoking."— <i>A communication to him from abroad by Charles James Irwin Grant, Baron de Longueuil, of the City of Montreal, Canada.</i> <i>Letters Patent sealed.</i>
PEARCE. 19th May 1868.	1632. RICHARD PEARCE, of Swansea, in the County of Glamorgan, for an invention for—"Improvements in the separation of copper and other metals from silver." <i>Provisional protection only.</i>

FLACHFELD. 19th May 1868.	1633. JULIUS FLACHFELD, of Basinghall Street, in the City of London, Merchant, for an invention for—"A new manufacture of cases for pipes and tubes used in smoking."— <i>A communication to him from abroad by Josef Leiter, of Vienna, Austria.</i> <i>Provisional protection only.</i>
RIDDELL. 19th May 1868.	1634. DAVID RIDDELL, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of bread, biscuits and other preparations from flour, also in the manufacture of flour to be used therefor." <i>Provisional protection only.</i>
STEEL. 19th May 1868.	1635. JAMES STEEL, of Glasgow, in the County of Lanark, North Britain, Brewer, for an invention for—"Improvements in cask-washing apparatus." <i>Provisional protection only.</i>
ELCE. 19th May 1868.	1636. JOHN ELCE, of Manchester, in the County of Lancaster, for an invention for—"Improvements in temples employed in looms for weaving." <i>Provisional protection only.</i>
COOPER. 19th May 1868.	1637. DUNCAN ANDERSON COOPER, of the City of Worcester, Goldsmith, for an invention for—"Improvements in solitaires or fastenings for gloves and other articles of dress." <i>Letters Patent sealed.</i>
POLLOCK. 19th May 1868.	1638. JOHN POLLOCK, of Birmingham, in the County of Warwick, Accountant Clerk, for an invention for—"Improvements in instruments or apparatus for drawing corks from bottles." <i>Letters Patent sealed.</i>
GRIFFEN. 19th May 1868.	1639. THEODORE GRIFFEN, of No. 62, Guildford Street, Russell Square, in the County of Middlesex, for an invention for—"Improved apparatus for bleaching and cleansing fabrics." <i>Letters Patent sealed.</i>
JONES. HETHERINGTON. 20th May 1868.	1640. WRIGHT JONES, Engineer, and JOSEPH HETHERINGTON, Machinist, both of Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery for stretching woven fabrics." <i>Provisional protection only.</i>
JOHNSON. 20th May 1868.	1641. HENRY HILDITCH JOHNSON, of No. 115, Cannon Street, in the City of London, Wine Merchant, for an invention for—"An improved mode of advertising in railway tunnels and cuttings." <i>Provisional protection only.</i>
KENNETT. 20th May 1868.	1642. JOHN KENNETT, of No. 1, Alma Place, Eastbourne, Sussex, for an invention for—"An improved method of ventilating sewers." <i>Letters Patent sealed.</i>
FRY. 20th May 1868.	1643. JAMES FRY, Perambulator Manufacturer, of 43, Stephen Street, Lisson Grove, Marylebone, in the County of Middlesex, for an invention for—"Improving the construction of folding perambulators in order to contract them into a smaller compass." <i>Letters Patent sealed.</i>
FROEHLICH. 20th May 1868.	1644. ROBERT FROEHLICH, of South Grove East, Mildmay Park, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for opening sardine and other sheet metal cases or receptacles, which improvements are also applicable to cutting sheet metals and other materials."— <i>A communication to him from abroad by Bellina Froehlich, of West Twelfth Street, New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
TAVERDON. MORET. 20th May 1868.	1645. CLAUDE LUDOVIC TAVERDON, of No. 60, Boulevard de Strasbourg, Paris, Practical Engineer, and JULES MORET, of Sèvres, near Paris, in the Empire of France, Merchant, for an invention for—"An improved lift and force double-action pump, giving a continuous and regular supply of liquid." <i>Letters Patent sealed.</i>
HUTCHINSON. 20th May 1868.	1646. ANDREW GEORGE HUTCHINSON, of Stoneycroft, Liverpool, in the County of Lancaster, Builder, for an invention for—"Improvements in apparatus for offering resistance to the opening of doors, windows and other moveable parts, and for giving alarms in cases of improper or burglarious attempts to open the same." <i>Letters Patent sealed.</i>
NUTTALL. 20th May 1868.	1647. FRANCIS DIXON NUTTALL, of St. Helen's, in the County of Lancaster, Gentleman, for an invention for—"Improvements in reverberatory furnaces for roasting and smelting purposes." <i>Provisional protection only.</i>
WHITELEY. 20th May 1868.	1648. JOE BOOTH WHITELEY, of the Prospect Iron Works, Lockwood, near Huddersfield, in the County of York, for an invention for—"Improvements in machinery for stretching, drying and producing the 'elastic finish' on woven fabrics." <i>Letters Patent sealed; specification filed by order.</i>

BELL.
20th May 1868.

1649. ANTHONY BELL, of 39, Alfred Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the valves of steam-engines."

Provisional protection only.

BATHO.
20th May 1868.

1650. WILLIAM FOTHERGILL BATHO, of Birmingham, in the County of Warwick, for an invention for—"Improvements in machinery for planing or shaping metals, wood or other materials."

Letters Patent sealed.

HOSKOLD.
DAVIS.
WHEELER.
20th May 1868.

1651. HENRY DAVIS HOSKOLD, of Cinderford, in the County of Gloucester, Mining Engineer, JOHN DAVIS, of Saint Whites, Mining Engineer, in the aforesaid County, and GEORGE PRINTY WHEELER, of Abinghall, also in the said County of Gloucester, Engineer, for an invention for—"Improvements in the manufacture of artificial fuel."

Provisional protection only.

POIRIER.
20th May 1868.

1652. ZACHARIE POIRIER, of No. 2, The Grove, South Lambeth, in the County of Surrey, Merchant, for an invention for—"A new or improved safety stopper for bottles and other vessels."

Provisional protection only.

LESLIE.
20th May 1868.

1653. ALEXANDER LESLIE, of Turriff, in the County of Aberdeen, Bank Agent, for an invention for—"Improvements in machinery or apparatus for steam cultivation."

Letters Patent sealed.

JONES.
JACKSON.
20th May 1868.

1654. DAVID JONES, of Cambridge Heath, Hackney Road, and JAMES JACKSON, of Ann Street, Ratcliffe, both in the County of Middlesex, for an invention for—"Improvements in apparatus for imparting heat to the feet and body whilst travelling or otherwise."

Provisional protection only.

TIJOU.
20th May 1868.

1655. WILLIAM TIJOU, of Great George Street, in the City of Westminster, Engineer, for an invention for—"Improvements in steam pumps."

Letters Patent sealed.

HAVELL.
20th May 1868.

1656. CHARLES RICHARD HAVELL, of Reading, in the County of Berks, Artist, for an invention for—"Improvements in the means or apparatus for heating water for baths and other purposes."

Letters Patent sealed.

ENGLAND.
20th May 1868.

1657. WILLIAM ENGLAND, of the City of Bristol, Commercial Traveller, for an invention for—"Improved apparatus for measuring liquids."

Provisional protection only.

NEWTON.
20th May 1868.

1658. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Caroline Garcin and Amelie Garcin, both of Colmar, in the Empire of France.*

Letters Patent sealed.

INGLIS.
20th May 1868.

1659. WILLIAM INGLIS, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines and boilers."

Letters Patent sealed.

SIM.
20th May 1868.

1660. WILLIAM SIM, of Glasgow, in the County of Lanark, North Britain, Contractor, for an invention for—"Improvements in arrangements or apparatus for watering and cleansing streets and roads, and in the application of apparatus for removing snow, to other purposes."

Provisional protection only.

BOUSFIELD.
20th May 1868.

1661. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in power looms."—*A communication to him from abroad by Erastus Brigham Bigelow, a person resident at Boston, United States of America.*

Letters Patent sealed.

BARNARD.
20th May 1868.

1662. CHARLES BARNARD, of the firm of Barnard, Bishop and Barnards, Norfolk Iron Works, Norwich, for an invention for—"Improvements in chairs and other articles of furniture to sit or recline upon."

Letters Patent sealed.

CONVERS.
20th May 1868.

1663. JULES CONVERS, of Rue de la Paix, Paris, in the French Empire, Naval Engineer, for an invention for—"Improvements in cranks and crank shafts and axles."

Provisional protection only.

LAKE.
20th May 1868.

1664. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved device for marking and creasing tucks in cloth or other material, upon a sewing-machine."—*A communication to him from abroad by Mary Ann Duffy, of the City and State of New York, United States of America.*

Provisional protection only.

- CHAPMAN.
LILLEY.
21st May 1868.
1665. CHARLES CHAPMAN, of Spurstowe Road, Hackney, in the County of Middlesex, Master Mariner, and JOHN LILLEY, of No. 9, London Street, in the City of London, Nautical Instrument Maker, for an invention for—"Improvements in ships' compasses."
Complete specification; Letters Patent sealed.
- HAMMANT.
21st May 1868.
1666. WILLIAM HAMMANT, of Colchester Street, Pimlico, in the County of Middlesex, Book Agent, for an invention for—"A new or improved aerial machine or apparatus."
Provisional protection NOT allowed.
- PALLISER.
BOLTON.
21st May 1868.
1667. WILLIAM PALLISER, of the Army and Navy Club, Pall Mall, in the County of Middlesex, Major Unattached, and FRANCIS JOHN BOLTON, of Rochester, in the County of Kent, Captain in the Army, for an invention for—"Improvements in ordnance and in wads to be used therewith."
Letters Patent sealed.
- CHAMEROY.
21st May 1868.
1668. EDMÉ AUGUSTIN CHAMEROY, of Paris, Rue Faubourg St. Martin, No. 162, Manufacturer, for an invention for—"An improved liquid or gas meter."
Letters Patent sealed.
- HADFIELD.
21st May 1868.
1669. WILLIAM HADFIELD, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in looms for weaving."
Provisional protection only.
- POYNTER.
21st May 1868.
1670. JOHN EDGAR POYNTER, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of soap."
Letters Patent sealed.
- BOOTH.
21st May 1868.
1671. JAMES BOOTH, of the firm of Martin Billing, Son and Company, of Birmingham, in the County of Warwick, Printers and Stationers, for an invention for—"Improvements in fastenings for bags of paper, linen or other flexible materials."
Provisional protection only.
- CROFTS.
DAWSON.
KING.
21st May 1868.
1672. JOHN CROFTS, RICHARD DAWSON, and JOHN KING, all of Hunslet Lane, Leeds, in the County of York, for an invention for—"Improvements in means or apparatus for combing wool or other fibres."
Letters Patent sealed.
- ALLEN.
21st May 1868.
1673. EDWARD ELLIS ALLEN, of 40, Parliament Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the mode of packing, covering or making up materials wound upon spools or in the form of bundles or skeins."
Provisional protection only.
- PERRY.
MILLS.
BRAMPTON.
21st May 1868.
1674. STEPHEN PERRY, of Red Lion Square, in the County of Middlesex, and BENJAMIN JOSEPH BARNARD MILLS, of 35, Southampton Buildings, also in the County of Middlesex, and FREDERICK BRAMPTON, of Birmingham, in the County of Warwick, for an invention for—"Improvements in letter clips, bill files and other similar clips or suspenders."
Provisional protection NOT allowed.
- MESSENGER.
21st May 1868.
1675. THOMAS GOODE MESSENGER, of the Midland Steam Works, Loughborough, in the County of Leicester, Hydraulic Engineer and Valve Manufacturer, for an invention for—"Improvements in fire-engines or double-action pumps."
Letters Patent sealed.
- REVILL.
21st May 1868.
1676. JOSEPH REVILL, of No. 11, Walmer Crescent, Notting Hill, Middlesex, Joiner, for an invention for—"Improvements in revolving or coiling shutters."
Letters Patent sealed.
- FRYER.
FRYER.
21st May 1868.
1677. ROBERT FRYER, of Manchester, in the County of Lancaster, Railway Inspector, and JOHN FRYER, of St. John's Wood, London, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for tilling land."
Letters Patent sealed.
- STARLEY.
21st May 1868.
1678. JAMES STARLEY, of the Coventry Sewing-Machine Company, Coventry, in the County of Warwick, for an invention for—"Improvements in sewing machinery."
Letters Patent sealed.
- BATTY.
21st May 1868.
1679. JOHN ROBERTS BATTY, of Leeds, in the County of York, Machinist, for an invention for—"Improvements in saddles for frames used in the spinning of flax or other fibrous substances."
Letters Patent sealed.

- NEWTON.**
21st May 1868. **1680.** WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in governors for steam and other motive-power engines."—*A communication to him from abroad by Marie Joseph Denis Farcot, Jean Joseph Leon Farcot, Michel Basile Abel Farcot and Joseph Etienne Eloi Chateau, Members of the Firm of Farcot and Sons, of Saint Ouen, in the Empire of France.* *Letters Patent sealed.*
- HALL.**
MASON.
21st May 1868. **1681.** HENRY HALL, and JOSEPH ANTHONY MASON, both of Burton-on-Trent, in the County of Stafford, for an invention for—"Improvements in apparatus for propelling vessels." *Letters Patent sealed.*
- BEAUMONT.**
APPLEBY.
21st May 1868. **1682.** FREDERICK EDWARD BLACKET BEAUMONT, of the Garrick Club, London, Captain in the Royal Engineers, and CHARLES JAMES APPLEBY, Engineer, of Emerson St., Southwark, for an invention for—"Improvements in apparatus for drilling rock and stone for blasting and other purposes." *Letters Patent sealed.*
- WHITTAKER.**
21st May 1868. **1683.** JOHN WILLIAMSON WHITTAKER, of Carlisle Villa, Great Lever, near Bolton-le-Moors, in the County of Lancaster, Architect and Cotton Spinner, for an invention for—"Improvements in carding-engines." *Letters Patent sealed.*
- RAYNER.**
21st May 1868. **1684.** ROBERT RAYNER, of Lower Clapton, in the County of Middlesex, for an invention for—"Improvements in frictional gearing."—*A communication to him from abroad by Albin Warth and Eberhard Faber, both of New York, in the United States of America.* *Provisional protection only.*
- CLARK.**
21st May 1868. **1685.** ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in differential gearing applicable to lifting jacks, cranes, windlasses and other purposes."—*A communication to him from abroad by Michel Loup, of 13, Boulevard St. Martin, Paris.* *Provisional protection only.*
- FUSNOT.**
22nd May 1868. **1686.** CHARLES FUSNOT, of Curighem-lez-Bruxelles, in the Kingdom of Belgium, Manufacturer, for an invention for—"Improvements in central-fire cartridges." *Letters Patent sealed.*
- ABEL.**
22nd May 1868. **1687.** CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the means and apparatus for drawing cop and other threads through shuttle holes and eyes."—*A communication to him from abroad by Charles Von Hartmann, of Hagen, Westphalia.* *Letters Patent sealed.*
- MOLE.**
22nd May 1868. **1688.** CHARLES MOLE, of Farringdon Road, in the City of London, Boot Maker, for an invention for—"Improvements in the manufacture of boots." *Letters Patent sealed.*
- NEWTON.**
22nd May 1868. **1689.** WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in grate-bars."—*A communication to him from abroad by Addison Calvin Fletcher, of the City and State of New York, United States of America.* *Letters Patent sealed.*
- FOSTER.**
22nd May 1868. **1690.** CHARLES JOSEPH FOSTER, of Maldon, in the County of Essex, for an invention for—"Improvements in obtaining the transverse reciprocating motions of the cutter bar in reaping, mowing and other similar agricultural machines, and improvements in wheels for agricultural machines, which last named improvements are also applicable to traction engine wheels." *Provisional protection only.*
- CLARK.**
22nd May 1868. **1691.** ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in rotary steam-engines."—*A communication to him from abroad by Jaques Viglino, Mechanical Engineer, of 13, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- OURY.**
22nd May 1868. **1692.** JULES OURY, of Blois, in the Empire of France, Civil Engineer, for an invention for—"An improved construction of meter or apparatus for measuring liquids or gases, applicable also for obtaining motive-power." *Letters Patent sealed.*
- DELAFIELD.**
22nd May 1868. **1693.** CLARENCE DELAFIELD, of Factoryville, in the County of Richmond and State of New York, in the United States of America, for an invention for—"An improvement in furnaces to be used in oxydizing lead or in the manufacture of litharge." *Complete specification; Letters Patent sealed.*

- BOWLEY.**
22nd May 1868. **1694. ROBERT KANZOW BOWLEY**, of Rockhills, Upper Sydenham, in the County of Kent, Gentleman, for an invention for—"Improvements in the construction and arrangement of floral devices and in the apparatus employed therein."—*A communication to him from abroad by David Price, of the City of Rome, in the Papal States.* *Provisional protection only.*
- JONES.**
23rd May 1868. **1695. EDWIN JONES**, of 128, Redcliffe Street, in the City and County of Bristol, for an invention for—"Improved shadowless lamps."—*A communication to him from abroad by Peter Langwill and Matthew Craig, of 12, Collins Street, Melbourne, Australia.* *Letters Patent sealed.*
- HARROP.**
CORBETT.
23rd May 1868. **1696. JAMES JOHN HARROP**, of Manchester, in the County of Lancaster, Lead Merchant, and **WILLIAM CORBETT**, of Clayton, near Manchester, aforesaid, Manufacturing Chemist, for an invention for—"Improvements in the production of iron and steel from ores and from waste products containing iron, as in the cases of hammer slag, forge cinder, and the residue arising from the manufacture of sulphuric acid from iron pyrites." *Letters Patent sealed.*
- HIGGINS.**
23rd May 1868. **1697. JAMES HIGGINS**, of Salford, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for spinning and doubling cotton and other fibrous materials." *Letters Patent sealed.*
- FLETCHER.**
23rd May 1868. **1698. JOHN FLETCHER**, of Bow, in the County of Middlesex, Engineer, for an invention for—"Improvements in revolving retorts for the manufacture and re-burning of animal charcoal." *Letters Patent sealed.*
- DE RUSSETT.**
23rd May 1868. **1699. EDWIN WILLIAM DE RUSSETT**, of Lewisham, in the County of Kent, Civil Engineer, for an invention for—"Improvements in engines worked by steam or other motive fluid, specially applicable to steam pumps." *Letters Patent sealed.*
- ASHFORD.**
23rd May 1868. **1700. THOMAS ASHFORD**, of Birmingham, in the County of Warwick, Nail Cutter, for an invention for—"Improvements in machinery for the manufacture of gas-tube hooks or fastenings." *Provisional protection only.*
- SECK.**
23rd May 1868. **1701. WILLIAM SECK**, of No. 46, Schöne Aussicht Bockenheim, Frankfort-on-the-Maine, in the Kingdom of Prussia, but temporarily residing at No. 22, Richmond Terrace, Clapham Road, in the County of Surrey, Engineer, for an invention for—"Improvements in kilns or apparatus applicable to the drying or treating of grain for the manufacture of malt." *Letters Patent sealed.*
- RICHARD.**
23rd May 1868. **1702. JOSEPH SIGISBERT RICHARD**, of La Mairie du Temple, Paris, in the Empire of France, for an invention for—"Improved arrangements of apparatus for stopping the motions of spinning machinery and machinery for manufacturing textile fabrics, when a thread breaks or a bobbin is exhausted, or the tension of a thread is too great." *Letters Patent sealed and specification filed by order.*
- WIRTH.**
23rd May 1868. **1703. FRANCIS WIRTH**, of the firm of Wirth and Company, Patent Agents, Frankfort-on-the-Maine, Germany, for an invention for—"An improved apparatus for causing the circulation of water in steam-boilers."—*A communication from William Fischer and Theodor Stiehl, persons resident at Essen, Prussia.* *Provisional protection only.*
- WINDHAUSEN.**
BÜSSING.
23rd May 1868. **1704. CARL WINDHAUSEN**, and **HEINRICH BÜSSING**, both of the City of Brunswick, Germany, Engineers, for an invention for—"Improvements in chimney cowls." *Letters Patent sealed.*
- BAKER.**
25th May 1868. **1705. THOMAS JAMES BAKER**, of Farndon, near Newark, in the County of Nottingham, Miller, for an invention for—"Improvements in the manufacture of wheat and other grain into flour, and in the machinery connected therewith, part of which improvements are applicable to grinding gypsum and similar substances." *Letters Patent sealed.*
- EVERARD.**
25th May 1868. **1706. HENRY WILLIAM EVERARD**, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in articles of wearing-apparel called 'braces.'" *Provisional protection only.*
- HUNT.**
25th May 1868. **1707. EDMUND HUNT**, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in obtaining motive-power and in apparatus therefor." *Letters Patent sealed.*

CRAIG. 25th May 1868.	1708. THOMAS CRAIG, of 3, Carey Street, Lincoln's Inn, in the County of Middlesex, for an invention for—"Improvements in the means or apparatus for hanging and supporting windows, doors, shutters, and other such like moveable fittings in houses, vehicles, steamboats, and other places or structures in which such fittings are used." <i>Provisional protection only.</i>
CAMERON. 25th May 1868.	1709. PAUL CAMERON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in ships' compasses." <i>Letters Patent sealed.</i>
HARGREAVES. COLLINS. 25th May 1868.	1710. FREDERICK HARGREAVES, and JOHN RAISTRICK COLLINS, of Bradford, in the County of York, Stuff Manufacturers, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
SMITH. 25th May 1868.	1711. SIDNEY ASHTON SMITH, of the firm of William Colvert and Sons, of Walton-le-Dale, in the County of Lancaster, Cotton Spinners and Manufacturers, for an invention for—"Certain improvements applicable to carding-engines." <i>Letters Patent sealed.</i>
CLARK. 25th May 1868.	1712. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in rotary engines or apparatus, applicable also as a pump, blower or liquid meter."— <i>A communication to him from abroad by Henry Guillemant Despecher, Gentleman, ex-Manager of Gas Works, of 13, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
CLARK. 25th May 1868.	1713. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in obtaining and applying motive-power."— <i>A communication to him from abroad by Jean Marie Chevalier, known as Charles Chevalier, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
FERGUSON. MULVEY. 25th May 1868.	1714. HENRY FERGUSON, of South Wharf Road, Paddington, and ALFRED MULVEY, of Kilburn, both in the County of Middlesex, for an invention for—"Improvements in machinery for cutting tenons and shoulders." <i>Provisional protection only.</i>
KENT. 25th May 1868.	1715. WILLIAM HARDY KENT, of St. George's Place, Knightsbridge, in the County of Middlesex, for an invention for—"Improvements in machinery for fluting, crimping and puffing fabrics."— <i>A communication to him from abroad by George Edwin King, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. JOHNSON. JOHNSON. 25th May 1868.	1716. WILLIAM WHITTLE JOHNSON, ROBERT JOHNSON, and MATTHEW WARTON JOHNSON, all of Limehouse, in the County of Middlesex, Lead Manufacturers and Merchants, for an invention for—"Improvements in the manufacture of sheets of lead or tin, or alloys or compounds of these metals." <i>Provisional protection only.</i>
SCOFFERN. 25th May 1868.	1717. JOHN SCOFFERN, of 21, New North Street, Finsbury, in the County of Middlesex, M. B., for an invention for—"Improvements in treating paper and woven fabrics to produce therefrom waterproof sheets and slabs." <i>Letters Patent sealed.</i>
HOLMES. 25th May 1868.	1718. JOSEPH ELLICOTT HOLMES, of Ruabon, North Wales, for an invention for—"Improved machinery for cutting or dressing stone." <i>Letters Patent sealed.</i>
LIPPENS. 25th May 1868.	1719. HENRI LOUIS AUGUSTE LIPPENS, of Lille, in the Empire of France, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
DUFRENÉ. 25th May 1868.	1720. HECTOR AUGUSTE DUFRENÉ, of No. 10, Rue de la Fidélité, Paris, and 4, South Street, Finsbury, London, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of railway wheels, pistons and other articles made of wrought iron."— <i>A communication from Monsieur Benoit Charvet, a person resident at Saint Etienne, in the Empire of France.</i> <i>Provisional protection only.</i>
LAKE. 25th May 1868.	1721. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in horses' harness."— <i>A communication to him from abroad by John B. Folger, of Boston, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>

- FERRABEE.
26th May 1868. 1722. JAMES FERRABEE, of Brimscombe Port Mills, near Stroud, in the County of Gloucester, Engineer, for an invention for—"Improved machinery for feeding carding-engines." *Letters Patent sealed.*
- BAKEWELL.
26th May 1868. 1723. HERBERT JAMES BAKEWELL, of Devonport, in the County of Devon, Engineer, for an invention for—"Improvements in apparatus for steering ships." *Letters Patent sealed.*
- ADAMS.
26th May 1868. 1724. JOHN ADAMS, of Cork, in the County of Cork, for an invention for—"Improvements in machinery for washing or cleansing casks or barrels." *Letters Patent sealed.*
- BROOMAN.
26th May 1868. 1725. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in decolorizing tannin juices."—*A communication to him from abroad by The Company or Society "Georges Bossiere Desport and Company," of Paris, France.* *Provisional protection only.*
- JOYNER.
JENKINS.
26th May 1868. 1726. JAMES ALBERT JOYNER, of Liverpool, in the County of Lancaster, Master Mariner, and JOHN HENRY JENKINS, of the same place, Master Mariner, for an invention for—"An improvement in screw propellers." *Letters Patent sealed.*
- EDMESTON.
EDMESTON.
26th May 1868. 1727. ARCHIBALD EDMESTON, and CHARLES EDMESTON, of Salford, in the County of Lancaster, Engineers and Machinists, for an invention for—"Improvements in machinery or apparatus for printing hanks of yarns or threads and warps, with one or more colors." *Provisional protection only.*
- MACRAE.
26th May 1868. 1728. ALEXANDER SEPTIMUS MACRAE, of Liverpool, in the County of Lancaster, Produce Broker, for an invention for—"An improved process and composition for removing ink and colours from paper, and dirt from rags and other paper stock."—*A communication to him from abroad by Joseph A. Veazie, of Boston, in the State of Massachusetts, one of the United States of America.* *Provisional protection only.*
- MORGAN.
26th May 1868. 1729. JABEZ MORGAN, of Kidderminster, in the County of Worcester, Manager of Works, for an invention for—"Improvements in apparatus for regulating the temperature of and ventilating hot-houses, conservatories and other rooms and buildings." *Provisional protection only.*
- WILLIAMS.
26th May 1868. 1730. JOHN RANDLE WILLIAMS, Printer, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in machinery for printing and numbering sheets or rolls of paper." *Provisional protection only.*
- SMEDLEY.
26th May 1868. 1731. THOMAS SMEDLEY, of Holywell, in the County of Flint, Hotel Keeper, for an invention for—"Improvements in brakes for carriages on common roads." *Letters Patent sealed.*
- NEWTON.
26th May 1868. 1732. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary steam and other engines."—*A communication to him from abroad by John Marcus Boorman, of Scarborough, in the State of New York, United States of America.* *Letters Patent sealed.*
- BUTTERY.
26th May 1868. 1733. WILLIAM BUTTERY, of Sheffield, in the County of York, Manager at Powder Flask Manufactory, for an invention for—"Improvements in apparatus for turning and closing cartridges." *Letters Patent sealed.*
- MILLER.
26th May 1868. 1734. IVON BRUCE MILLER, of Hackney Road, in the County of Middlesex, for an invention for—"Improvements in the manufacture of packing for steam-engines and other machinery."—*Partly his own invention, the other part communicated to him from abroad by William Hartley Miller, of Philadelphia, Pennsylvania, United States of America.* *Letters Patent sealed.*
- DEBENHAM.
26th May 1868. 1735. WILLIAM ELLIOTT DEBENHAM, of Massingham House, Haverstock Hill, in the County of Middlesex, for an invention for—"Improvements in wrist-bands, cuffs, collars and other such like articles of wear." *Provisional protection only.*
- BURTON.
26th May 1868. 1736. BETHEL BURTON, of Brooklyn, in the State of New York, United States of America, for an invention for—"Improvements in breech-loading fire-arms and cartridges." *Letters Patent sealed.*

LAKE. 26th May 1868.	1737. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in ploughs and other implements for cultivating land."— <i>A communication to him from abroad by Samuel Godfrey Reynolds, of Bristol, Rhode Island, United States of America.</i> <i>Letters Patent sealed.</i>
LORD. 26th May 1868.	1738. WILLIAM BARRY LORD, of Stamford Lodge, Hampstead Heath, in the County of Middlesex, Gentleman, for an invention for—"Improvements in portable filters." <i>Letters Patent sealed.</i>
ADKINS. 26th May 1868.	1739. WILLIAM ADKINS, of Birmingham, in the County of Warwick, Engineer and Machinist, for an invention for—"Certain improvements in stocks and dies for screwing bolts and other like articles." <i>Provisional protection only.</i>
CLARK. 26th May 1868.	1740. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for dressing millstones."— <i>A communication to him from abroad by Ambroise Dubois, Mechanical Engineer, and Jean Joseph Pouilley, Miller, both of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
WIRTH. 26th May 1868.	1741. FRANCIS WIRTH, of the firm of Wirth and Company, Patent Agents, Frankfort-on-the-Maine, Germany, for an invention for—"An improved regulator or governor for steam and other engines."— <i>A communication from Joseph Theodor Lossen, of the firm of Fassbender and Lossen, a person resident at Wurzburg, Bavaria.</i> <i>Letters Patent sealed.</i>
DIXON. 27th May 1868.	1742. JOSEPH DIXON, of Hillsbro' Hall, Sheffield, in the County of York, for an invention for—"An improved coupling link for railway vehicles and other purposes."— <i>A communication to him from abroad by Aimé Durieux, of Louvain, Belgium.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 27th May 1868.	1743. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Rue Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Certain improvements in the permanent way of railways."— <i>A communication from Louis Van der Smissen, a person resident at Brussels, in the Kingdom of Belgium, Civil Engineer.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 27th May 1868.	1744. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Rue Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication from Salvatore Carcano, a person resident at Turin, in the Kingdom of Italy, Principal Superintendent at the Royal Manufactory of Arms at Turin.</i> <i>Letters Patent sealed.</i>
COOPER. 27th May 1868.	1745. WILLIAM COOPER, of Bradford, in the County of York, Iron and Tin Plate Worker, for an invention for—"An improvement in sliver cans or cotton cans." <i>Letters Patent sealed.</i>
MORRIS. 27th May 1868.	1746. JAMES MORRIS, of Liverpool, in the County of Lancaster, Printer, for an invention for—"An improved method of and apparatus for facilitating the finishing of printed sheets of paper." <i>Letters Patent sealed.</i>
VIDIE. 27th May 1868.	1747. JAMES VIDIE, of Pantin, near Paris, in the Empire of France, at present residing at Dean Street, Finsbury Square, in the City of London, for an invention for—"An improved process for the ornamentation of glass, earthenware and other similar materials." <i>Letters Patent sealed.</i>
KEARSLEY. KEARSLEY. 27th May 1868.	1748. HENRY KEARSLEY, and GEORGE KEARSLEY, both of Ripon, in the County of York, Agricultural Engineers, for an invention for—"Improvements in mowing and reaping machines." <i>Letters Patent sealed.</i>
MINES. 27th May 1868.	1749. HENRY EDWARD MINES, of Cheltenham, in the County of Gloucester, for an invention for—"Improvements applicable to register stoves or grates for curing smoky chimnies and controlling the draught of air." <i>Provisional protection only.</i>
GRAY. 27th May 1868.	1750. MATTHEW GRAY, of Highbury, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of insulated electric conductors." <i>Letters Patent sealed.</i>

SCHOLL.
27th May 1868.

1751. JOHN SCHOLL, of Berwick Street, Soho, in the County of Middlesex, Engineer, for an invention for—"Improvements in gas-burners and in apparatus to be used in connection therewith."
Letters Patent sealed.

REIDY.
28th May 1868.

1752. JAMES REIDY, of No. 29, Doddington Grove, Kennington Park, in the County of Surrey, for an invention for—"An improved pick or pickaxe for excavating, mining and other purposes."
Letters Patent sealed.

BAILEY.
BAILEY.
28th May 1868.

1753. HENRY BAILEY, and FREDERICK BAILEY, of East Retford, in the County of Nottingham, Gas Engineers, for an invention for—"An improvement in the manufacture of valves for the passage of air, water or any other liquid or fluid."
Letters Patent sealed.

FELL.
BARLOW.
28th May 1868.

1754. RICHARD FELL, of Robinson Row, in the County of Middlesex, Engineer, and ROBERT BARLOW, of Shacklewell Lane, in the County of Middlesex, Builder, for an invention for—"Improvements in apparatus for preventing waste of water in or from waterclosets and drinking fountains, cisterns, tanks and other like receptacles."
Letters Patent sealed.

DALZIEL.
28th May 1868.

1755. WILLIAM DALZIEL, of Deptford, in the County of Kent, Brass Founder, for an invention for—"An improved combination of cock and valve for controlling the flow of water from constant supply pipes."
Letters Patent sealed.

ALEXANDER.
28th May 1868.

1756. WILLIAM ALEXANDER, of Liverpool, in the County of Lancaster, Ship Owner, for an invention for—"Improvements in the arrangement of mechanism for applying auxiliary power to sailing ships."
Provisional protection only.

DRAKE.
28th May 1868.

1757. THOMAS DRAKE, of Huddersfield, in the County of York, Solicitor, for an invention for—"A machine or apparatus to be employed for receiving communications, orders, messages and appointments."
Letters Patent sealed.

HAUDUCŒUR.
28th May 1868.

1758. FRANÇOIS HAUDUCŒUR, of No. 107, Rue St. Maur, Paris, in the Empire of France, Merchant, for an invention for—"An improved apparatus for malaxating butter."
Provisional protection only.

NEWTON.
28th May 1868.

1759. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in horse rakes."—*A communication to him from abroad by A. W. Coates, of Alliance, in the State of Ohio, United States of America.*
Letters Patent sealed.

NEWTON.
28th May 1868.

1760. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for hopping beer."—*A communication to him from abroad by William Sylvanus Haight, of Waterford, in the State of New York, United States of America.*
Provisional protection only.

GREENWOOD.
28th May 1868.

1761. THOMAS GREENWOOD, of Leeds, in the County of York, Machinist, for an invention for—"Improvements in machinery for assorting the fibres of dressed silk."—*The result partly of a communication from abroad made to him by Auguste Veillon, of Grellingen, in Switzerland, and partly of invention and discovery made by him.*
Letters Patent sealed.

PALMER.
PALMER.
28th May 1868.

1762. JARVIS PALMER, and JAMES BRECKNOCK PALMER, both of Palace Works, Old Ford Road, Bow, in the County of Middlesex, for an invention for—"Improvements in the manufacture of matches and fusees, and of friction surfaces to be used therewith."—*Partly the result of a communication made to them from abroad by Rudolf Herrmann, a person resident at Lahnstein, Nassau, Germany, and partly of the invention of the said James Brecknock Palmer.*
Letters Patent sealed.

HAMBLING.
28th May 1868.

1763. JEREMIAH ROBERT HAMBLING, of Norwich Road, East Dereham, in the County of Norfolk, for an invention for—"Improvements in thrashing-machines."
Letters Patent sealed.

BENTHAM.
28th May 1868.

1764. ROBERT HUNTER BENTHAM, of Bedford Row, in the County of Middlesex, Architect, for an invention for—"Improved apparatus for facilitating the flow of liquids from barrels or other closed vessels, and for lifting or forcing liquids to any desired height."
Letters Patent sealed.

SHORE.
EASTWOOD.
BREALEY.
28th May 1868.

1765. THOMAS SHORE, JOHN EASTWOOD, and WILLIAM WOODHOUSE BREALEY, all of Hanley, in the County of Stafford, for an invention for—"Improvements in steam generators and in apparatus for heating the feed water therefor."
Provisional protection only.

HORN. 28th May 1868.	1766. THOMAS STORY HORN, of Number Twenty-three, Grove Street, in the Borough and County of Newcastle-upon-Tyne, Agent, for an invention for—"Improvements in miners' safety lamps." <i>Letters Patent sealed.</i>
HAINES. 28th May 1868.	1767. HIRAM HAINES, of the City and State of New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture of lead pipe and lead pipe lined or cased with tin or other metal, and in the machinery employed in such manufacture."— <i>A communication to him from abroad by William Anthony Shaw, of the City and State of New York, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
GISBORNE. 29th May 1868.	1768. FREDERIC NEWTON GISBORNE, of 445, West Strand, in the County of Middlesex, for an invention for—"Improvements in apparatus for signalling on board ship and in other places." <i>Letters Patent sealed.</i>
MACLEAN. 29th May 1868.	1769. WALTER MACLEAN, of Glasgow, in the County of Lanark, North Britain, for an invention for—"A new or improved process to be used for producing or depicting designs on textile fabrics." <i>Letters Patent sealed.</i>
TURNBULL. 29th May 1868.	1770. JAMES TURNBULL, of Edinburgh, in the County of Mid Lothian, North Britain, Writer to the Signet, for an invention for—"Improvements in connecting and disconnecting carriages and wagons on railways, and in the apparatus connected therewith." <i>Letters Patent sealed.</i>
DRABBLE. RAWORTH. 29th May 1868.	1771. JOHN DRABBLE, of Hasland, in the County of Derby, Gentleman, and JOHN SMITH RAWORTH, of the City of Manchester, Engineer, for an invention for—"Certain improvements in machinery for the manufacture of roll or twist tobacco." <i>Letters Patent sealed.</i>
GRIFFITHS. WISHART. 29th May 1868.	1772. HENRY GRIFFITHS, of 49, Arthur Road, Holloway, County of Middlesex, Ironmonger, and FREDERICK AUGUSTUS WISHART, of Ivy Cottage, Upper Lewisham Road, in the County of Kent, Dentist, for an invention for—"Improvements in means or apparatus for shearing or cutting the hair of horses and other animals." <i>Letters Patent sealed.</i>
GARDNER. 29th May 1868.	1773. JOHN BATEMAN GARDNER, of Kendal, in the County of Westmoreland, Tobacconist, for an invention for—"An improved machine for sifting pulverized tobacco in the manufacture of snuff." <i>Provisional protection only.</i>
NEWTON. 29th May 1868.	1774. EDWARD NEWTON, of the Mount, Sheffield, Merchant, for an invention for—"Improvements in the means of and apparatus for obtaining and applying motive-power." <i>Provisional protection only.</i>
NUELLENS. NEUHAUS. 29th May 1868.	1775. JULIUS NUELLENS, of Torquay, in the County of Devon, and MATTHIAS NEUHAUS, of Surrey Street, Strand, in the County of Middlesex, for an invention for—"Improvements in portable apparatus for cooling wine or other liquids in bottles or other like receptacles." <i>Letters Patent sealed.</i>
HAMEL. 29th May 1868.	1776. LEOPOLD HAMEL, of 30, Stoney Street, Nottingham, for an invention for—"Improvements in instruments for clipping lace and other fabrics." <i>Provisional protection only.</i>
BOUSFIELD. 29th May 1868.	1777. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in plating spoons and other articles with a coating of metal, and in apparatus employed therein."— <i>A communication to him from abroad by Marshall Forbes, a person resident at West Meriden, State of Connecticut, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
BUCHAN. 29th May 1868.	1778. PATRICK BUCHAN, of Belfast, in the Kingdom of Ireland, for an invention for—"Improvements in the preparation of hemp and flax." <i>Letters Patent sealed.</i>
BONNEVILLE. 30th May 1868.	1779. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in machines for stitching or sewing the edges of button, eyelet and other holes in cloth, leather and other materials, and for stitching or sewing the edges of cloth, leather and other materials generally."— <i>A communication from Elliot G. Storke, a person resident at Auburn City, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>

SMITH.
30th May 1868.

1780. ALEXANDER SMITH, of Glasgow, in the County of Lanark, North Britain, Merchant, for an invention for—"Improvements in apparatus for the manufacture of sugar."—*A communication to him from abroad by Robert Smith, residing in Demerara.*
Provisional protection only.

LÜTHY.
30th May 1868.

1781. ROBERT LÜTHY, of Bolton, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction and mode of working hydrostatic presses and hydraulic machinery."
Letters Patent sealed.

BURROW.
KEITH.
30th May 1868.

1782. TAYLOR BURROW, and SAMUEL KEITH, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in weaving and in the machinery or apparatus employed therefor."
Provisional protection only.

GUEST.
30th May 1868.

1783. SIR IVOR BERTIE GUEST, Baronet, of Canford Manor, Wimborne, in the County of Dorset, for an invention for—"Improved apparatus for cutting or trimming the edges of lawns or grass plots."
Letters Patent sealed.

HARMAN.
30th May 1868.

1784. JOHN HARMAN, of No. 47, Portman Square, London, Gentleman, for an invention for—"A new or improved drawing board for the purpose of stretching drawing paper."
Letters Patent sealed.

HIRZEL.
30th May 1868.

1785. HEINRICH HIRZEL, Professor of Chemistry, of Leipzig, in the Kingdom of Saxony, for an invention for—"Improvements in the production of inflammable gas and in apparatus to be used therefor."
Provisional protection only.

SPARTALI.
30th May 1868.

1786. NICHOLAS DEMETRIUS SPARTALI, of Liverpool, in the County of Lancaster, Steam Ship Agent, for an invention for—"Improved apparatus for consuming hydrocarbon oils in the furnaces of marine and other boilers."
Provisional protection only.

HARRIS.
30th May 1868.

1787. ISAAC BLUE HARRIS, of Edinburgh, North Britain, for an invention for—"Improvements in pumps for actuating the pulp in paper-making machines."
Provisional protection only.

CHAVAGNAT.
30th May 1868.

1788. MICHEL CHAVAGNAT, of 2, Rue Ste. Appoline, Paris, Empire of France, Merchant, for an invention for—"Improvements in the means or apparatus for closing and securing vessels containing liquids, especially applicable to those holding petroleum, light oil of schist, and other volatile, explosive and dangerous liquids."
Letters Patent sealed.

TURNER.
30th May 1868.

1789. RICHARD TURNER, of Dublin, Ireland, Civil Engineer, for an invention for—"Improvements in the manufacture of umbrellas."
Provisional protection only.

FIELD.
30th May 1868.

1790. TELFORD FIELD, of the firm of Maudslay, Sons and Field, of Lambeth, in the County of Surrey, Engineers, for an invention for—"Improved arrangements for manœuvring gunboats and other floating vessels."
Provisional protection only.

BROOMAN.
30th May 1868.

1791. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of central-fire cartridges."—*A communication to him from abroad by Robert François Gosselin, of 23, Boulevard de Strasbourg, Paris, France.*
Provisional protection only.

REYNOLDS.
30th May 1868.

1792. The Reverend OSBORNE REYNOLDS, of Debach, Woodbridge, in the County of Suffolk, M.A., for an invention for—"Improvements in apparatus for steam ploughing or cultivating."
Letters Patent sealed.

LAKE.
30th May 1868.

1793. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in spirit levels."—*A communication to him from abroad by Leonard Laroy Davis, of Springfield, Massachusetts, United States of America.*
Letters Patent sealed.

WALKER.
1st June 1868.

1794. SAMUEL WALKER, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in watches or other pocket time-keepers."
Letters Patent sealed.

FARRAR.
1st June 1868.

1795. JABEZ BUNTING FARRAR, of Halifax, in the County of York, Machine Maker, for an invention for—"Improvements in or applicable to machinery or apparatus for spinning or twisting fibrous substances."
Letters Patent sealed.

JONES. 1st June 1868.	1796. DAVID JONES, of Church Street, Inverness, in the County of Inverness, Mechanical Engineer, for an invention for—"Improvements in furnaces and heating apparatus, having reference to the consumption or prevention of smoke." <i>Letters Patent sealed.</i>
REED. 1st June 1868.	1797. GEORGE POTTER REED, of Boston, in the County of Suffolk and State of Massachusetts, United States of America, for an invention for—"Improvements in watches." <i>Provisional protection only.</i>
PAGE. 1st June 1868.	1798. ROBERT WILLIAM PAGE, of Park Walk, Chelsea, in the County of Middlesex, for an invention for—"Improvements in the construction of hand garden engines and hydropulps." <i>Provisional protection only.</i>
ABEL. 1st June 1868.	1799. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of alum and other aluminous compounds."— <i>A communication to him from abroad by Henry Pemberton, of Allegheny City, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
WELLS. 1st June 1868.	1800. CHARLES HENRY WELLS, of the City and State of New York, United States of America, Gentleman, for an invention for—"A new and improved mode of impregnating wood with oleaginous and saline matters."— <i>A communication from Charles Augustus Seely, of the same place.</i> <i>Letters Patent sealed.</i>
VAUGHAN. 2nd June 1868.	1801. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for preventing incrustation in steam-boilers."— <i>A communication to him from abroad by Robert Breckenridge Baker and Charles James Adolphus Dick, both of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
TATE. 2nd June 1868.	1802. JAMES TATE, of Bermondsey, in the County of Surrey, Machine Fitter, for an invention for—"A new or improved method of manufacturing points for railways." <i>Provisional protection only.</i>
CHRISTY. 2nd June 1868.	1803. THOMAS CHRISTY, of the City and County of New York, and State of New York, in the United States of America, for an invention for—"Improvements in paper satining machines." <i>Complete specification; Letters Patent sealed.</i>
OAKDEN. PICKIN. 2nd June 1868.	1804. JOSEPH OAKDEN, Incumbent of St. Stephen's, Congleton, and JOSEPH PICKIN, of Dame Row, Buglawton, Congleton, for an invention for—"A new or improved material for enamelling iron, so as to prevent corrosion and incrustation." <i>Provisional protection only.</i>
AVERY. 2nd June 1868.	1805. JOSEPH AVERY, of 81, Great Portland Street, Marylebone, in the County of Middlesex, for an invention for—"An improvement in apparatus employed in raising and lowering venetian blinds, and in retaining them in position." <i>Letters Patent sealed.</i>
MURE. 2nd June 1868.	1806. LOUIS GERMAIN MURE, of No. 31, Rue d'Enghien, Paris, in the Empire of France, Clerk, for an invention for—"Improved fishing apparatus." <i>Provisional protection only.</i>
LILLIE. 2nd June 1868.	1807. GEORGE ARTHUR HOWARD LILLIE, of the Junior United Service Club, Saint James's, in the County of Middlesex, late of the Indian Army, for an invention for—"Improvements in street paving." <i>Letters Patent sealed.</i>
NEWTON. 2nd June 1868.	1808. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in lever escapements for watches or timekeepers."— <i>A communication to him from abroad by Julius Hietel, John Wenzel Hietel, and John L. Geissler, all of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 2nd June 1868.	1809. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in cans and other vessels for containing liquid and other substances."— <i>A communication to him from abroad by Frederick William Devoe, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
LAW. 2nd June 1868.	1810. JAMES LAW, of Edinburgh, Dental Instrument Maker, for an invention for—"A new or improved instrument for drawing corks from bottles." <i>Provisional protection only.</i>

STERNE. 2nd June 1868.	1811. LOUIS STERNE, of Great Queen Street, in the City of Westminster, Engineer, for an invention for—"Improvements in the manufacture of driving belts, bands or straps." <i>Letters Patent sealed.</i>
SCHÄFER. 2nd June 1868.	1812. FREDERICK SCHÄFER, of the firm of P. and F. Schäfer, of Golden Square and Piccadilly, both in the County of Middlesex, Manufacturer, for an invention for—"A new or improved apparatus for removing wax and dirt from the tops of corks in bottles, and the combination of such apparatus with an appliance for drawing the corks." <i>Letters Patent sealed.</i>
ROE. 2nd June 1868.	1813. FREEMAN ROE, of 22, Cambridge Terrace, Notting Hill, in the County of Middlesex, for an invention for—"An improvement in smoking pipes, which invention is also applicable to cigar holders." <i>Provisional protection only.</i>
SOANS. 3rd June 1868.	1814. RICHARD SOANS, of Stockton-on-Tees, in the County of Durham, Commercial Traveller, for an invention for—"Improvements in machines for removing dirt and foreign matters from currants and other fruit, and for afterwards drying the fruit." <i>Letters Patent sealed.</i>
CRESTADORO. 3rd June 1868.	1815. ANDREA CRESTADORO, of No. 19, Rumford Street, Chorlton-upon-Medlock, in the County Palatine of Lancaster, for an invention for—"Improvements in the means and apparatus for navigating the air." <i>Provisional protection only.</i>
JOHNSON. 3rd June 1868.	1816. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in pipe joints."— <i>A communication to him from abroad by John Frothingham Ward, of Jersey City, State of New Jersey, and Alfred Wingate Craven, of the City and State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 3rd June 1868.	1817. JOHN HENRY JOHNSON, of No. 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in railway trucks or vehicles."— <i>A communication to him from abroad by David McFarland, of the City and County of Worcester and Commonwealth of Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
WRIGHT. 3rd June 1868.	1818. LEMUEL WELLMAN WRIGHT, of Brooklyn, in the State of New York, United States of America, for an invention for—"Improvements in meters for water and other liquids." <i>Provisional protection only.</i>
ABEL. 3rd June 1868.	1819. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the production of iodine."— <i>A communication to him from abroad by Jules Toché, Chemist, of Nantes, in the Empire of France.</i> <i>Provisional protection only.</i>
CROCKETT. 3rd June 1868.	1820. HENRY JAMES CROCKETT, of 22, Kent Villas, Grange Road East, Dalston, in the County of Middlesex, for an invention for—"Improvements in venetian blinds, part of which improvements is also applicable to roller blinds." <i>Provisional protection only.</i>
JOHNSON. 3rd June 1868.	1821. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in decorating walls and other surfaces."— <i>A communication to him from abroad by William Howell, of Philadelphia, Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>
REYNOLDS. 3rd June 1868.	1822. GEORGE WAIDE REYNOLDS, of Stamford Street, in the County of Surrey, for an invention for—"Improvements in bobbin holders to be used with sewing-machines." <i>Provisional protection only.</i>
FAIRBURN. 3rd June 1868.	1823. EDWARD FAIRBURN, of Kirklees Mills, Mirfield, in the County of York, Card Maker, for an invention for—"Improvements in condensers for working wool or other fibrous substances." <i>Letters Patent sealed.</i>
EVERITT. 3rd June 1868.	1824. WILLIAM EDWARD EVERITT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improvement or improvements in the manufacture of tubes for marine boilers, surface condensers and other similar purposes." <i>Provisional protection only.</i>
PIDDING. 3rd June 1868.	1825. WILLIAM PIDDING, of Guildford Street, Russell Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in reels or receivers, and in the modes of placing thereon needles threaded with twisted strands and other fibrous materials, and in the application of certain known machinery for winding the twisted strands or other fibrous material on such and ordinary (when the needles shall have been threaded) reels or receivers." <i>Provisional protection not allowed.</i>

RYE. 4th June 1868.	1826. WILLIAM RYE, of the Low Moor Iron Works, Oldham, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for supplying fuel to steam-boiler and other furnaces." <i>Letters Patent sealed.</i>
FOSTER. 4th June 1868.	1827. DAVID FOSTER, of Sheffield, in the County of York, Engineer, for an invention for—"Improvements in combining and casting various qualities of metal in the manufacture of anvils, top and bottom faces for hammers for drawing-out purposes, projectiles and other articles." <i>Letters Patent sealed.</i>
HARTLEY. ROBERTSHAW. 4th June 1868.	1828. GEORGE HARTLEY, and PAUL ROBERTSHAW, both of Bradford, in the County of York, for an invention for—"Improvements in the construction of steam-boilers and generating apparatus in connection therewith." <i>Letters Patent sealed.</i>
GEDGE. 4th June 1868.	1829. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of ploughs."— <i>A communication to him from abroad by Jean Pierre Lattes and Raymond François Fauré, both of 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
RIVES. 4th June 1868.	1830. MATHURIN RIVES, of Paris, Rue St. Antoine, No. 156, Merchant, for an invention for—"An improved ships' block." <i>Provisional protection only.</i>
BROOMAN. 4th June 1868.	1831. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in apparatus for the manufacture or production of carbonic oxide, hydrogen and carbonated hydrogens."— <i>A communication to him from abroad by the Company or Society "Cyprien Tessié du Motay and Company," of Paris, France.</i> <i>Letters Patent sealed.</i>
SCHÄFER. 4th June 1868.	1832. FREDERICK SCHÄFER, of the firm of P. and F. Schäfer, of Golden Square and Piccadilly, both in the County of Middlesex, Manufacturers, for an invention for—"A new or improved appliance for holding a stick of sealing wax." <i>Provisional protection only.</i>
BROOMAN. 4th June 1868.	1833. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture or transformation of iron and steel, and in apparatus employed therein."— <i>A communication to him from abroad by the Company or Society "Cyprien Tessié du Motay and Company," of Paris, France.</i> <i>Letters Patent sealed.</i>
WOINAR. 4th June 1868.	1834. ROBERT WOINAR, of Vienna, in the Empire of Austria, Manufacturer, for an invention for—"Improvements in central-fire cartridges for breech-loading fire-arms." <i>Letters Patent sealed.</i>
ASHTON. 4th June 1868.	1835. JOSEPH ASHTON, of 59, Fleet Street, in the City of London, for an invention for—"Improvements in horse-shoes." <i>Letters Patent sealed.</i>
WORTH. BARKER. 4th June 1868.	1836. JOHN WORTH, of Rochdale, in the County of Lancaster, Card Maker, and ABRAHAM BARKER, of the same place, Plumber, for an invention for—"Improvements in covering rollers and clearers used in machinery for preparing and spinning fibrous materials." <i>Letters Patent sealed.</i>
PETRIE. FIELDEN. 4th June 1868.	1837. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Machine Maker, and JOHN FIELDEN, of the same place, Engineer, for an invention for—"Improvements in obtaining hydraulic motive-power, which improvements are also applicable to the propulsion of vessels by jets or streams of water." <i>Provisional protection only.</i>
SALAMON. 4th June 1868.	1838. NAHUM SALAMON, of Ludgate Hill, in the City of London, Sewing-Machine Factor, for an invention for—"An improved mode of mounting photographic and other pictures, patterns and advertisements."— <i>A communication to him from abroad by Frederick Moritz Beral Bertram, of Leipzig, in the Kingdom of Saxony.</i> <i>Letters Patent sealed.</i>
FIRTH. 4th June 1868.	1839. WILLIAM FIRTH, of Burley Wood, near Leeds, in the County of York, Gentleman, for an invention for—"Improvements in deodorising petroleum and other oils." <i>Letters Patent sealed; no specification filed.</i>

- THEILER.**
5th June 1868. 1840. MEINRAD THEILER, Telegraphic and Scientific Instrument Maker, of 156, Barnsbury Road, Islington, Middlesex, for an invention for—"New or improved machines or apparatus for punching or preparing strips of paper or other suitable material for the automatical transmission of telegraphic messages and for other purposes, and improvements in apparatus for regulating the speed of telegraphic instruments, parts of which invention as indicated above are also applicable for other purposes." *Provisional protection only.*
- HENRY.**
5th June 1868. 1841. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in converting basic phosphates of lime into soluble acid phosphates of lime, and in obtaining and utilizing sulphate of lime."—*A communication to him from abroad by Ernest Deligny, of 17, Boulevard Saint Martin, Paris, France.* *Letters Patent sealed.*
- CLARK.**
5th June 1868. 1842. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in combination locks."—*A communication to him from abroad by Isaac Wixom Lamb, of Salem, in the County of Washtenaw and State of Michigan, United States of America.* *Letters Patent sealed.*
- PAGE.**
5th June 1868. 1843. JOSEPH PAGE, of No. 70, Mott Street, Birmingham, in the County of Warwickshire, for an invention for—"Improvements in corkscrews." *Provisional protection only.*
- ABEL.**
5th June 1868. 1844. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved stopping motion for spinning machinery."—*A communication to him from abroad by Amand Boutemy, Spinner, of Lannoy, Nord, in the Empire of France.* *Letters Patent sealed.*
- BONNEVILLE.**
5th June 1868. 1845. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved process for feeding sugar factories or distilleries."—*A communication from Joseph Linard, a person resident at Rue des Ecuries d'Artois, in Paris, aforesaid, Civil Engineer.* *Complete specification; Letters Patent sealed.*
- SAWERS.**
5th June 1868. 1846. ROBERT BROWN SAWERS, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in weaving ornamental fabrics." *Provisional protection only.*
- GREGORY.**
5th June 1868. 1847. THOMAS CURRIE GREGORY, of Glasgow, in the County of Lanark, North Britain, Civil Engineer, for an invention for—"Improvements in and connected with springs to be applied to railway rolling stock and otherwise."—*A communication to him from abroad by Elias Uriah Benedict, residing at Chicago, United States.* *Provisional protection only.*
- REDDICLIFFE.**
5th June 1868. 1848. FRANCIS REDDICLIFFE, late of Seglenlas Mine, Llanidloes, in the County of Montgomery, now of Hendre Mine, in the County of Flint, Mine Agent, for an invention for—"Improved mechanical arrangements applicable to pump buckets and partially applicable to pistons." *Letters Patent sealed.*
- PRINCE.**
5th June 1868. 1849. ALEXANDER PRINCE, of the Office for Patents, 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the manufacture of metal castings."—*A communication to him from abroad by Edward L. Brown, of the City of Philadelphia and State of Pennsylvania, United States of America.* *Letters Patent sealed.*
- ADDIS.**
5th June 1868. 1850. WILLIAM JUDSON ADDIS, of Tanna, in the Presidency of Bombay, for an invention for—"Improvements in carts, parts of which improvements are applicable to other vehicles." *Letters Patent sealed.*
- NEWTON.**
5th June 1868. 1851. ORLANDO THOMAS NEWTON, of North Egremont, in the County of Chester, Engineer, and GEORGE ALEXANDER NEWTON, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements applicable to steam-boiler and other furnaces for the more perfect combustion and economisation of fuel." *Letters Patent sealed.*
- WADSWORTH.**
5th June 1868. 1852. JAMES WADSWORTH, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"A new fabric or composition suitable for soles and heels of boots and shoes, and for other purposes." *Letters Patent sealed.*

DANA. 5th June 1868.	1853. EDWARD AUGUSTUS DANA, of Brookline, in the County of Norfolk, in the State of Massachusetts, United States of America, for an invention for—"Improvements in the construction of projectiles for rifled cannon or ordnance." <i>Complete specification; protection for six months only.</i>
ELSDON. STEIN. 5th June 1868.	1854. ROBERT ELSDON, of Brockham, in the County of Surrey, Engineer, and ANDREW STEIN, of 18, Ryder Street, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of glass or similar vitreous substances, and in the application of such substances in the construction of buildings." <i>Provisional protection only.</i>
STEPHEN. 5th June 1868.	1855. ANDREW STEPHEN, of the Middlesex Hospital, Doctor of Medicine, for an invention for—"Improvements in apparatus for ventilating buildings and other structures." <i>Provisional protection only.</i>
GERARD. 6th June 1868.	1856. JOHN GERARD, of Totton, in the County of Hampshire, Gentleman, for an invention for—"Improved mechanical arrangements for facilitating escape from fire, for lifting and lowering weights and for other similar purposes." <i>Letters Patent sealed.</i>
KERNEY. 6th June 1868.	1857. ABRAHAM KERNEY, of Halifax, in the County of York, Overlooker of Wool Combing, for an invention for—"Improved machinery or apparatus for treating or preparing spun or twisted silk waste for dressing or combing." <i>Provisional protection only.</i>
RAE. 6th June 1868.	1858. MARTIN RAE, of Up Hall, Linlithgowshire, North Britain, for an invention for—"Improvements in lamps." <i>Provisional protection only.</i>
BONNEVILLE. 6th June 1868.	1859. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"A new and improved apparatus for levelling and measuring distances, altitudes and angles."— <i>A communication from Charles Auguste Constantin Eckhold, a person resident at Alexandria, Egypt.</i> <i>Provisional protection only.</i>
DEWAR. 6th June 1868.	1860. JAMES DEWAR, Doctor of Medicine, in Kirkcaldy, in the County of Fife, in North Britain, for an invention for—"Improvements in preserving and arresting decay in certain vegetable substances for the purposes of food and manure." <i>Letters Patent sealed.</i>
MAW. 6th June 1868.	1861. GEORGE MAW, of Benthall, Broseley, in the County of Salop, Manufacturer, for an invention for—"Improvements in the manufacture of garden tallies or plant labels or markers." <i>Letters Patent sealed.</i>
NEWTON. 6th June 1868.	1862. ALFRED VINCENT NEWTON, of the office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for storing and measuring petroleum and other liquids."— <i>A communication to him from abroad by Frederick Moritz Beral Bertram, of the City of Hamburg, North Germany.</i> <i>Letters Patent sealed.</i>
WILKERSON. 6th June 1868.	1863. SAMUEL WILKERSON, of Chelmsford, in the County of Essex, for an invention for—"Improvements in machinery or apparatus for scattering or spreading manure." <i>Provisional protection only.</i>
FINNEGAN. 6th June 1868.	1864. GEORGE FINNEGAN, of Upper Abbey Street, Dublin, for an invention for—"Improvements in band-saw machines." <i>Letters Patent sealed.</i>
RIVIERE. BAKER. 6th June 1868.	1865. HENRY RIVIERE, of 63, Westbourne Park Villas, Bayswater, in the Parish of Paddington, Gun Maker, and FREDERIC THOMAS BAKER, of 88, Fleet Street, in the City of London, Gun Maker, for an invention for—"Improvements in machines and hand tools used for closing the ends of central-fire and pin cartridges when loaded." <i>Letters Patent sealed.</i>
METCALF. LONGFELLOW. 6th June 1868.	1866. THOMAS METCALF, and THOMAS LONGFELLOW, both of Shipley, in the County of York, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
WESTON. 6th June 1868.	1867. THOMAS ALDRIDGE WESTON, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in machinery or apparatus for raising and lowering, moving or transporting heavy bodies." <i>Letters Patent sealed.</i>

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| <p>YOUNG.
6th June 1868.</p> <p>BROUGHTON.
6th June 1868.</p> <p>WAENZEL.
6th June 1868.</p> <p>CLARK.
6th June 1868.</p> <p>WATSON.
BAKER.
BAKER.
8th June 1868.</p> <p>WILLETTS.
8th June 1868.</p> <p>COFFEY.
8th June 1868.</p> <p>LANGAN.
9th June 1868.</p> <p>HUSBAND.
9th June 1868.</p> <p>BENVENUTI.
9th June 1868.</p> <p>BOURNE.
9th June 1868.</p> <p>WILSON.
9th June 1868.</p> <p>CLARE.
9th June 1868.</p> <p>BOYMAN.
9th June 1868.</p> <p>HOWARD.
9th June 1868.</p> <p>STAFFORD.
STAFFORD.
STAFFORD.
9th June 1868.</p> | <p>1868. JAMES YOUNG, of Kelly, in the County of Renfrew, North Britain, Gentleman, for an invention for—"Improvements in treating hydrocarbons."
<i>Provisional protection only.</i></p> <p>1869. WILLIAM BROUGHTON, of 8, South Street, Finsbury Market, in the County of Middlesex, for an invention for—"Improvements in kitchen ranges."
<i>Provisional protection only.</i></p> <p>1870. FRANZ WAENZEL, of Vienna, in the Empire of Austria, Gun Maker, for an invention for—"Improvements in central-fire cartridges."
<i>Provisional protection only.</i></p> <p>1871. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for forging or shaping metals."—<i>A communication to him from abroad by Julien Laurent, Engineer, of 13, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> <p>1872. GEORGE WATSON, of Bromley Street, Commercial Road, in the County of Middlesex, Engineer, WALTER JOSEPH BAKER, and SAMUEL THOMAS BAKER, both of Southwark Bridge Road, in the County of Surrey, Civil Engineers, for an invention for—"An improved artesian tube well and lifting force pump."
<i>Letters Patent sealed.</i></p> <p>1873. SAMUEL WILLETTS, of Aston, near Birmingham, in the County of Warwick, Manager of Works, for an invention for—"Improvements in double-barrel breech-loading fire-arms."
<i>Provisional protection only.</i></p> <p>1874. DOMINIC COFFEY, of Newton Moor, near Hyde, in the County of Chester, Roller Coverer, for an invention for—"Improvements in locks."
<i>Letters Patent sealed.</i></p> <p>1875. WILLIAM LANGAN, of Birmingham, in the County of Warwick, Boiler Manufacturer, for an invention for—"Improvements in or appertaining to steam-boilers."
<i>Provisional protection only.</i></p> <p>1876. RICHARD HUSBAND, of Manchester, in the County of Lancaster, Hat Manufacturer, for an invention for—"Certain improvements in the method of ventilating hats or other coverings for the head."
<i>Letters Patent sealed.</i></p> <p>1877. FORTUNÉ FRANÇOIS BENVENUTI, of Swansea, in the County of Glamorgan, Professor of Languages and Principal of the Swansea Training School and Literary Institute, for an invention for—"An improved inkstand."
<i>Provisional protection only.</i></p> <p>1878. JOHN BOURNE, of 1, Northumberland Terrace, Regent's Park Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the production and application of motive-power, parts of which improvements are also applicable to certain other purposes."
<i>Provisional protection only.</i></p> <p>1879. JOSEPH SPOOR WILSON, of Wade Street, Poplar, in the County of Middlesex, for an invention for—"A new mode of imparting rotatory motion to mills employed for grinding grain, coffee and other berries, and vegetable substances of a similar character."
<i>Provisional protection only.</i></p> <p>1880. THOMAS DEYKIN CLARE, of Birmingham, in the county of Warwick, Merchant, for an invention for—"Improvements in moulds for casting metallic articles, and in the treatment and means of finishing cast metallic articles."
<i>Provisional protection only.</i></p> <p>1881. RICHARD BOYMAN BOYMAN, late of Park Crescent, Stockwell, but now of Park Hill, Clapham Park, in the County of Surrey, for an invention for—"Improvements in aerial navigation and in the machinery for the same."
<i>Letters Patent sealed.</i></p> <p>1882. GEORGE HOWARD, of Berners Street, Oxford Street, in the County of Middlesex, Cabinet Manufacturer, for an invention for—"An improved manufacture of parquet flooring."
<i>Letters Patent sealed.</i></p> <p>1883. JOHN STAFFORD, JOHN WILLIAM STAFFORD, and DANIEL STEPHEN STAFFORD, all of Nassington, near Wansford, in the County of Northampton, Agricultural Implement and Machine Makers, for an invention for—"Improvements in the construction of carriages used with apparatus or elevators for elevating straw and other produce."
<i>Letters Patent sealed.</i></p> |
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MUNRO. ADAMSON. 9th June 1868.	1884. ARCHIBALD MUNRO, of Arbroath, in the County of Forfar, North Britain, and WILLIAM BENNET ADAMSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"An improved method of manufacturing tools for hewing or cutting stone, slate, marble and other substances, and improvements in the compounds or materials of which such tools are made." <i>Provisional protection only.</i>
JOHNSON. 9th June 1868.	1885. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment of oxide of iron with a view to its use in blast furnaces."— <i>A communication to him from abroad by Ernest Deligny, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
DAVIES. 10th June 1868.	1886. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of lounging chairs."— <i>A communication to him from abroad by Auguste Emanuel Eliaers, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
FRAYE. 10th June 1868.	1887. PETER FRAYE, of No. 6, Walbrook, in the City of London, for an invention for—"Improvements in making and manufacturing the musical instrument known as the harmonium."— <i>A communication to him from abroad by Fenelon Flinois, of 73, Rue Lafayette, Paris, in the French Empire.</i> <i>Provisional protection only.</i>
FERRIE. 10th June 1868.	1888. WILLIAM FERRIE, of the Monkland Iron and Steel Works, in the County of Lanark, North Britain, for an invention for—"Improvements in and connected with smelting or blast furnaces." <i>Letters Patent sealed.</i>
LADYMAN. 10th June 1868.	1889. JAMES THOMAS LADYMAN, of Weland Works, Rochdale, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for working wood." <i>Letters Patent sealed.</i>
HAMER. DAVIES. 10th June 1868.	1890. WILLIAM HAMER, of Bowdon, in the County of Chester, Salt Proprietor, and JOSEPH DAVIES, of Runcorn, in the County of Chester, Salt Proprietor, for an invention for—"Improvements in the furnaces of salt pans." <i>Letters Patent sealed.</i>
CARTER. 10th June 1868.	1891. JOHN CARTER, trading as Lee and Carter, of 440, Strand, in the County of Middlesex, Bookseller, for an invention for—"An improved portable closet or commode seat." <i>Provisional protection only.</i>
SIEMENS. 10th June 1868.	1892. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the manufacture of cast steel and in furnaces and apparatus employed for that purpose." <i>Letters Patent sealed.</i>
FIRTH. FIRTH. 10th June 1868.	1893. JAMES FIRTH, and EDWARD FIRTH, of Belfast, in the County of Antrim, for an invention for—"Improvements in reaping and mowing machines." <i>Provisional protection only.</i>
BROOMAN. 10th June 1868.	1894. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Ernest Gabriel Roblin, of Paris, France.</i> <i>Provisional protection only.</i>
CLARK. 10th June 1868.	1895. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in pipes used for smoking."— <i>A communication to him from abroad by Adolphe Achille Pathi, Tobacco Merchant, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 10th June 1868.	1896. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved apparatus for shuffling and dealing cards."— <i>A communication from Honoré Etienne Piquet, a person resident at Sartrouville, in the Empire of France, afore-said, Engineer.</i> <i>Letters Patent sealed.</i>
TERREL. 10th June 1868.	1897. EDMOND PHILIBERT JEAN LOUIS TERREL (des Chénes), of Villié-Morgon, in the Empire of France, Vine Grower, for an invention for—"An improved apparatus for heating wine and other fermentable liquids, part of such apparatus being applicable to other purposes." <i>Letters Patent sealed.</i>

- PROCTOR.
10th June 1868. 1898. WILLIAM FASH PROCTOR, of Glasgow, North Britain, Sewing-Machine Manufacturer, for an invention for—"Improved embroidery apparatus to be applied to sewing-machines."—*A communication to him from abroad by the Singer Manufacturing Company (Incorporated), of the City and State of New York, United States of America.* *Letters Patent sealed.*
- BARTON.
10th June 1868. 1899. WILLIAM BARTON, of Boston, in the County of Lincoln, Ironmonger, for an invention for—"Improvements in kitchen ranges or cooking stoves." *Letters Patent sealed.*
- GRUBB.
10th June 1868. 1900. CHARLES ROBERT EDWARD GRUBB, of Bow Lane, in the City of London, Accountant, for an invention for—"An improved manufacture of match box." *Letters Patent sealed.*
- WILLIAMS.
10th June 1868. 1901. THOMAS EVAN WILLIAMS, of Newport, in the County of Monmouth, Civil Engineer, for an invention for—"Improvements in the pots employed in the manufacture of tin and other plates." *Letters Patent sealed.*
- WESTWOOD.
10th June 1868. 1902. WILLIAM HENRY WESTWOOD, of the firm of Westwood and Wrights, of Dudley, in the County of Worcester, Manufacturers, for an invention for—"Improvements in gas holders, gas purifiers and other apparatus used in the manufacture and distribution of gas for illumination." *Letters Patent sealed.*
- TURNER.
11th June 1868. 1903. HENRY TURNER, of Leeds, in the County of York, for an invention for—"Improvements in the construction of privies and ashpits." *Letters Patent sealed.*
- BARLOW.
EDMESTON.
BEELEY.
11th June 1868. 1904. SAMUEL BARLOW, of Stake Hill, in the County of Lancaster, Bleacher, Dyer and Finisher, THOMAS EDMESTON, of the same place, Engineer, and THOMAS BEELEY, of Hyde Junction Iron Works, near the City of Manchester, Engineer, for an invention for—"Improvements in furnaces for steam-boilers and other purposes." *Letters Patent sealed.*
- UNSWORTH.
11th June 1868. 1905. WILLIAM UNSWORTH, of No. 6, Rue des Filles-du-Calvaire, Paris, in the Empire of France, Manufacturer, for an invention for—"An improved sail-brake for use on railways." *Letters Patent sealed.*
- RODGERS.
11th June 1868. 1906. JOSEPH RODGERS, of Hunslet, Leeds, in the County of York, Engineer, for an invention for—"Improved constructions of belts, straps or bands for driving machinery." *Provisional protection only.*
- CLARK.
11th June 1868. 1907. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of bricks used for building and other purposes."—*A communication to him from abroad by François Fabre, Master Builder, of 13, Boulevard St. Martin, Paris.* *Provisional protection only.*
- PARIS.
DRUMMOND.
HAMER.
11th June 1868. 1908. STANISLAUS JOSEPH PARIS, DAVID DRUMMOND, and DANIEL HAMER, all of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in valves." *Provisional protection only.*
- SOUTHBY.
11th June 1868. 1909. EDMUND RICHARD SOUTHBY, of Lanark, in the County of Lanark, North Britain, Chemist, for an invention for—"Improvements in utilising oleaginous acid waste." *Provisional protection only.*
- HENDERSON.
11th June 1868. 1910. WILLIAM HENDERSON, of the firm of Walker, Henderson and Company, of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in apparatus for finishing woven fabrics." *Letters Patent sealed.*
- COCKINGS.
UMBACH.
11th June 1868. 1911. JAMES SEPTIMUS COCKINGS, trading under the style or firm of William Campbell and Company, of Oak Works, Selly Oak, in the County of Worcester, and ANTHONY UMBACH, Mechanical Engineer, also of Selly Oak, aforesaid, for an invention for—"Improvements in sewing-machines and for certain parts of the same, which said parts are also applicable to other sewing-machines now in use." *Letters Patent sealed.*
- NEWTON.
11th June 1868. 1912. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved adhesive cement applicable to uniting china, leather and other hard and soft substances."—*A communication to him from abroad by Charles Dearborn Peasley, of Biddeford, in the State of Maine, United States of America.* *Provisional protection only.*

LORD. 11th June 1868.	1913. JAMES LORD, of Crawshaw Booth, near Rawtenstall, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in applying soap, oil or similar materials to cotton, wool and other fibrous substances requiring such treatment in their preparation for spinning, and in machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
THENARD. 11th June 1868.	1914. ARNOULD EUGÈNE GEORGES THENARD, of No. 6, Place St. Sulpice, Paris, but at present residing at Provence Hotel, Leicester Square, in the County of Middlesex, for an invention for—"An improved system or method of and apparatus for effecting the combustion of fuel for the more perfect utilization thereof." <i>Letters Patent sealed; no specification filed.</i>
WARNER. 11th June 1868.	1915. FREDERICK WARNER, of Jewin Crescent, in the City of London, Engineer and Founder, for an invention for—"Improvements in obtaining water." <i>Provisional protection only.</i>
MORRIS. 11th June 1868.	1916. THOMAS MORRIS, of Carlton Chambers, 12, Regent Street, St. James's, London, Architect, for an invention for—"The application and use of buoys and submerged vessels for supporting objects and erections in deep water." <i>Provisional protection only.</i>
STOCKER. 11th June 1868.	1917. ALEXANDER SOUTHWOOD STOCKER, of Lamb's Conduit Works, Artillery Street, Horsleydown, in the County of Surrey, for an invention for—"Improvements appertaining to infants' feeding-bottles, and in the manufacture, combination and employment of the whole or part of the articles to be used therewith, part of which may also be beneficially employed for other purposes." <i>Letters Patent sealed.</i>
CHASE. 12th June 1868.	1918. DANIEL LA FOREST CHASE, of Boston, Massachusetts, United States of America, now of No. 18, Worship Street, in the County of Middlesex, for an invention for—"Improvements in governors for steam and other engines." <i>Provisional protection only.</i>
JOHNSON. 12th June 1868.	1919. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in miners' safety cages, lifts and other like hoisting apparatus."— <i>A communication to him from abroad by John Vaughan Merrick and William Henry Merrick, both of Philadelphia, Pennsylvania, in the United States of America, Engineers.</i> <i>Letters Patent sealed.</i>
FLEURY. 12th June 1868.	1920. ANTHONY LEONARD FLEURY, of Boston, Massachusetts, United States of America, but now of 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in treating quartz and silicious substances to obtain hydrate of silica, and in applying the same to various useful purposes." <i>Provisional protection only.</i>
FLEURY. 12th June 1868.	1921. ANTHONY LEONARD FLEURY, of Boston, Massachusetts, United States of America, but now of 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the means of and apparatus for treating gold and silver ores, and in utilizing the products resulting therefrom." <i>Provisional protection only.</i>
GRAY. WEIR. 12th June 1868.	1922. JAMES GRAY, and RANKIN WEIR, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in treating ores and in refining crude metals, in order to obtain steel, copper, tin and lead, and in apparatus therefor." <i>Letters Patent sealed.</i>
ANDERSON. 12th June 1868.	1923. JOHN ANDERSON, of Ramsbottom, in the County of Lancaster, Manager in a Cotton Mill, for an invention for—"Improvements in machinery employed for preparing and spinning hard waste or cop bottoms." <i>Provisional protection only.</i>
DAVIES. 12th June 1868.	1924. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in cranes."— <i>A communication to him from abroad by Philippe Louis Henri Charles Lavagne, of Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>
PYKE. PYKE. 12th June 1868.	1925. LIONEL PYKE, and ALFRED PYKE, both of 17, Thavies Inn, Holborn, for an invention for—"Improvements in shirt studs, buttons and other fastenings of a similar nature." <i>Provisional protection only.</i>

- CUTMORE.
12th June 1868.
- SPARTALI.
12th June 1868.
- LAKE.
12th June 1868.
- BENT.
12th June 1868.
- ROSTAING.
VIVET.
12th June 1868.
- RICHARDS.
12th June 1868.
- HUMFREY.
13th June 1868.
- TOFT.
13th June 1868.
- MITCHELL.
13th June 1868.
- WHITEHOUSE.
13th June 1868.
- MACKIE.
MACKIE.
13th June 1868.
- MÜLLER.
ENGLERT.
13th June 1868.
- HOWDEN.
13th June 1868.
- YATES.
13th June 1868.
- MALSTER.
13th June 1868.
- PARLOUR.
13th June 1868.
1926. GEORGE WILLIAM CUTMORE, of Holloway, in the County of Middlesex, for an invention for—"Improvements in apparatus for cooling liquids, in connecting pipes or tubes thereto, and in joining or connecting pipes for other purposes."
Provisional protection only.
1927. NICHOLAS DEMETRIUS SPARTALI, of Liverpool, in the County of Lancaster, Steam Ship Agent, for an invention for—"Improvements in apparatus for burning hydrocarbon oils for the generation of heat."
Letters Patent sealed.
1928. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved anchor."—*A communication to him from abroad by Frederick Wittram, of San Francisco, California, United States of America.*
Letters Patent sealed.
1929. SAMUEL SHAW BENT, of Portchester, in the State of New York, United States of America, for an invention for—"Improvements in poultry houses or coops and the nests and feeding pans therefor."
Provisional protection only.
1930. CLÉMENT ROSTAING, residing at No. 29, Rue le Marois, and ELIE VIVET, of No. 43, Rue des Bourdonnais, both in Paris, in the Empire of France, for an invention for—"An improved material suitable for making steam, water and gas tight joints and for similar uses."
Letters Patent sealed.
1931. WESTLEY RICHARDS, of Birmingham, in the County of Warwick, for an invention for—"Improvements in breech-loading fire-arms and projectiles."
Letters Patent sealed.
1932. CHARLES HUMFREY, of Suffolk Grove, Southwark, in the County of Surrey, Oil Manufacturer, for an invention for—"Improvements in the preparation of a flexible compound applicable to waterproofing and other purposes."
Provisional protection only.
1933. JAMES TOFT, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in lathes for turning and boring wood and other materials."
Letters Patent sealed.
1934. CHARLES HYNDMAN MITCHELL, Manager of the Fereneze Mills, near Barrhead, in the County of Renfrew, North Britain, for an invention for—"Improvements in steam-engines."
Provisional protection only.
1935. CORNELIUS WHITEHOUSE, of Bridgtown, near Cannock, in the County of Stafford, Edge Tool and Auger Maker, in the employ of William Gilpin, senior, and Company, of Wedgesmills and Churchbridge, Cannock, aforesaid, for an invention for—"Improvements in boring bits and augers."
Letters Patent sealed.
1936. MATTHEW MACKIE, and JOHN MACKIE, both of Kilbirnie, in the County of Ayr, North Britain, for an invention for—"Improvements in apparatus applicable to steam-boilers, for utilizing the waste heat and for economizing fuel."
Provisional protection only.
1937. WILHELM MÜLLER, and GOTTLÖB ENGLERT, both of Earl's Court, in the County of Middlesex, Coppersmiths, for an invention for—"An improved apparatus for cooling beer and other malt liquors."
Letters Patent sealed.
1938. JAMES HOWDEN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in steam or other motive-power engines."
Letters Patent sealed.
1939. WILLIAM YATES, of Duke Street, in the City of Westminster, Gentleman, for an invention for—"Improvements in the furnaces to be used in metallurgic operations."
Provisional protection only.
1940. KEZIA MALSTER, Wife of Stephen Malster, of Pall Mall, in the City of Westminster, for an invention for—"An improved mixture or compound for cleaning gloves and other articles."
Letters Patent sealed.
1941. JOSEPH THOMAS PARLOUR, of 8, Trinity Terrace, Grosvenor Road, Pimlico, in the County of Middlesex, Shipwright, for an invention for—"Improvements in elevators and apparatus for shovelling, raising and conveying grain, coals, bricks, sand, mortar and other substances."
Letters Patent sealed.

DENNIS. 13th June 1868.	1942. THOMAS HUNGATE PRESTON DENNIS, of Chelmsford, in the County of Essex, Horticultural Engineer, for an invention for—"An improved horizontal tubular boiler." <i>Letters Patent sealed.</i>
LAKE. 13th June 1868.	1943. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for hulling or scouring wheat and other grain."— <i>A communication to him from abroad by Nathaniel Miller Burr, of Pawtucket, Rhode Island, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
FISHER. 13th June 1868.	1944. EUGENE FISHER, of Grosvenor Park, Camberwell, in the County of Surrey, Mineral Water Manufacturer, for an invention for—"An improved tonic effervescing drink." <i>Provisional protection only.</i>
SCHWARTZ. 13th June 1868.	1945. CARL EDWARD SCHWARTZ, of 18, Aske Street, Hoxton, in the County of Middlesex, for an invention for—"An improved mode of and means for obtaining crystal brocatel colors." <i>Provisional protection only.</i>
BALL. 13th June 1868.	1946. JOHN BALL the younger, of the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in machinery or apparatus employed in the cutting off the superfluous portions of threads from spots, sprigs, figures or other devices made on lace or other fabrics." <i>Provisional protection only.</i>
LEONARD. 15th June 1868.	1947. WILLIAM LEONARD, of the State of Massachusetts, of the United States of America, for an invention for—"An improvement in horse collars." <i>Complete specification; Letters Patent sealed.</i>
THOMASSIN. 15th June 1868.	1948. LÉON STANISLAS THOMASSIN, Chemist, of No. 31, Rue d'Enghien, Paris, in the Empire of France, for an invention for—"Improvements in the process of and apparatus for producing combustible and illuminating gas." <i>Provisional protection only.</i>
WORCESTER. 15th June 1868.	1949. FREDERICK WORCESTER, of Stoke, near Coventry, in the County of Warwick, Druggist, for an invention for—"Improvements in tuyeres for furnaces and forges."— <i>A communication to him from abroad by John Bayliss, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
BENSON. VON DER POPPENBURG. 15th June 1868.	1950. JOHN SOLMONS BENSON, of Birmingham, in the County of Warwick, Merchant, and JOHANN VON DER POPPENBURG, of Birmingham, aforesaid, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
KENDRICK. 15th June 1868.	1951. THOMAS KENDRICK, of Birmingham, in the County of Warwick, Designer and Modeller, for an invention for—"An improved ornamentation of fenders and other useful and ornamental articles ordinarily used in connection therewith." <i>Provisional protection only.</i>
JOHNSON. 15th June 1868.	1952. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of zining baths."— <i>A communication to him from abroad by Frederick Adam Kraft and Frederic Chase, both of Philadelphia, Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
HUMFREY. WEBSTER. 15th June 1868.	1953. CHARLES HUMFREY, of Suffolk Grove, Southwark, in the County of Surrey, Oil Manufacturer, and WILLIAM SHAKESPEAR WEBSTER, of 9, Brunswick Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in water-proofing paper and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
SILLAR. SILLAR. WIGNER. 15th June 1868.	1954. WILLIAM CAMERON SILLAR, of 62, Cornhill, in the City of London, Bullion Broker, ROBERT GEORGE SILLAR, of No. 3, Grange Road, Upper Norwood, Gentleman, and GEORGE WILLIAM WIGNER, of Grove Lane, Camberwell, Chemist, both in the County of Surrey, for an invention for—"Improvements in deodorizing and purifying sewage and making manure therefrom." <i>Letters Patent sealed.</i>
PRINDLE. 15th June 1868.	1955. LYMAN BALDWIN PRINDLE, (Engineer), of Litchfield, in the State of Connecticut, in the United States of North America, for an invention for—"Improvements in constructing chairs and rails which form continuous rails for railroads." <i>Letters Patent sealed.</i>

- BROOKE.
BROOKE.
16th June 1868. 1956. WILLIAM BROOKE, Merchant, and OSWALD BROOKE, Heald Manufacturer, both of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in healds or heddles for weaving." *Letters Patent sealed.*
- ROWAN.
16th June 1868. 1957. WILLIAM ROWAN, of the firm of John Rowan and Sons, of Belfast, in the County of Antrim, Engineers, for an invention for—"Improvements in machinery for hackling flax, hemp and other fibrous materials." *Letters Patent sealed.*
- WAPPENSTEIN.
RAY.
16th June 1868. 1958. RUDOLPH WAPPENSTEIN, and RICHARD RAY, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved system and apparatus for registering the numbers of passengers travelling in or on omnibuses and other conveyances." *Provisional protection only.*
- ELDER.
16th June 1868. 1959. DAVID ELDER, of Newcastle-upon-Tyne, in the County of Northumberland, Engineer, for an invention for—"Improvements in dredging machines and in apparatus connected therewith." *Letters Patent sealed.*
- WHITEHEAD.
16th June 1868. 1960. THOMAS WHITEHEAD, of Holbeck, in Leeds, in the County of York, Machine Tool Maker, for an invention for—"Improvements in machinery for combing wool, silk, flax, hair or other fibrous substances." *Provisional protection only.*
- BOOTH.
BOOTH.
BOOTH.
16th June 1868. 1961. JOSEPH BOOTH, JOHN BOOTH, and JEREMIAH BOOTH, all of Rodley, near Leeds, in the County of York, Engineers and Millwrights, for an invention for—"Improvements in means or apparatus for the cutting or dressing of stone." *Letters Patent sealed.*
- DEMME.
17th June 1868. 1962. MAURICE DEMME, of No. 91, Boulevard de Sebastopol, in the City of Paris, in the Empire of France, Civil Engineer, for an invention for—"An improved dial or indicating needle case." *Letters Patent sealed.*
- WILLS.
CARDELL.
WILLS.
17th June 1868. 1963. JOHN PHILP WILLS, and EDMUND HARVEY CARDELL, both of South Petherwin, in the County of Cornwall, and THOMAS FRANCIS WILLS, of 21, Princes Square, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus for mowing or reaping grass or grain crops." *Provisional protection only.*
- MITCHELL.
17th June 1868. 1964. DAVID MITCHELL, of 49, Peel Street, Macclesfield, in the County of Cheshire, for an invention for—"Improvements in the manufacture of figured cloth." *Letters Patent sealed.*
- TURRELL.
17th June 1868. 1965. GEORGE BENEDICT TURRELL, of the City and State of New York, in the United States of America, for an invention for—"Improvements in coolers for beer and other liquids." *Letters Patent sealed.*
- BETTS.
17th June 1868. 1966. WALTER BETTS, of Hastings, in the County of Sussex, Coach Builder, for an invention for—"Improvements in apparatus for weighing carriages, waggons, carts and other vehicles." *Provisional protection only.*
- COMFIELD.
17th June 1868. 1967. THOMAS COMFIELD the younger, of Queen's Road, Buckhurst Hill, Chigwell, in the County of Essex, for an invention for—"Improvements in brakes for railway carriages, and in signalling apparatus in connexion therewith, which improvements are also partly applicable to other purposes." *Letters Patent sealed; specification filed by order.*
- MCLEOD.
17th June 1868. 1968. JOHN MCLEOD, of Renton, in the County of Dumbarton, North Britain, Engineer, for an invention for—"Improvements in apparatus for dyeing yarns." *Letters Patent sealed.*
- CARR.
17th June 1868. 1969. WILLIAM CARR, of Manchester, in the County of Lancaster, Coach Builder, for an invention for—"Certain improvements in the construction of hinges applicable to the doors of carriages, coaches and similar vehicles." *Provisional protection only.*
- WALKER.
17th June 1868. 1970. JOHN CRAWFORD WALKER, of Surrey Street, Strand, in the County of Middlesex, for an invention for—"An improved baking powder to be employed in the treatment of flour in the manufacture of bread and other farinaceous food." *Provisional protection only.*
- RHODES.
RHODES.
17th June 1868. 1971. WILLIAM RHODES, and JAMES RHODES, both of Wade Street, Bradford, in the County of York, Whitesmiths, for an invention for—"Improvements in the construction of safes, strong rooms and other like depositories intended to contain valuable property." *Letters Patent sealed.*

CLARK. 17th June 1868.	1972. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the purification of ceramic, vitrifiable and other matters, as also of the crucibles, furnaces or vessels used for containing the same."— <i>A communication to him from abroad by Louis Clémendot and Emile Rousseau, both of 13, Boulevard St. Martin, Paris.</i> Letters Patent sealed.
THOMSON. CROSSLEY. 18th June 1868.	1973. WILLIAM THOMSON, of Normanton, in the County of York, Ironfounder, and JOHN CROSSLEY the younger, of Barrow-upon-Soar, in the County of Leicester, Engineer, for an invention for—"Improvements in rails and chairs for railways." Provisional protection only.
LUMLEY. LUMLEY. 18th June 1868.	1974. JOHN LUMLEY, and EDWIN LUMLEY, both of Kirk Hammerton, in the County of York, for an invention for—"An improved machine for the manufacture of pills." Letters Patent sealed.
RIDGWAY. 18th June 1868.	1975. ALFRED RIDGWAY, of Upton, near Macclesfield, in the County of Chester, for an invention for—"Certain improvements in agricultural machines termed hay-rakes." Provisional protection only.
COCHRAN. 18th June 1868.	1976. ALEXANDER COCHRAN, of the firm of Cochran and Hay, of Kirktonfield, in the County of Renfrew, North Britain, Bleachers and Dyers, for an invention for—"Improvements in machinery for finishing woven fabrics." Letters Patent sealed.
ATTWOOD. 18th June 1868.	1977. CHARLES ATTWOOD, of Wolsingham, in the County of Durham, Iron Master, for an invention for—"Improvements in moulds for casting." Provisional protection only.
REDFERN. 18th June 1868.	1978. GEORGE FREDERICK REDFERN, of the General Patent Office, 4, South Street, Finsbury, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in machinery for drawing rovings and spinning yarns of cotton, wool and other fibres."— <i>A communication to him from abroad by George William Philip, of Philmont, in the United States of America.</i> Provisional protection only.
HIDE. 18th June 1868.	1979. THOMAS COMINGS HIDE, of 46, Fenchurch Street, in the City of London, for an invention for—"Improvements in dressing flax and in drawing, roving and spinning flax and tow, and in apparatus to be used for these purposes."— <i>A communication to him from abroad by John McDermotts, a person resident at Rotterdam.</i> Letters Patent sealed.
HENGST. WATSON. 18th June 1868.	1980. CHARLES HENGST, of St. George's Terrace, Engineer, and HENRY WATSON, of Grove Road, Gas Fitter, both of Fulham, in the County of Middlesex, for an invention for—"An improved mode of and means for manufacturing gas for lighting and heating purposes." Letters Patent sealed.
CARR. 18th June 1868.	1981. WILLIAM SEGGIE CARR, of the City and State of New York, United States of America, for an invention for—"Improvements in waterclosets." Letters Patent sealed.
HEMINGTON. 18th June 1868.	1982. JAMES HEMINGTON, of Chatteris, in the County of Cambridge, Corn Merchant, for an invention for—"Improvements in machinery or apparatus for grinding or sharpening the cutters of reaping and mowing machines." Letters Patent sealed.
KAULBACH. 19th June 1868.	1983. EDWARD REINHOLD KAULBACH, of 26, King William Street, West Strand, in the County of Middlesex, Gentleman, for an invention for—"A new and improved rotary engine." Letters Patent sealed.
MACKIE. 19th June 1868.	1984. ALEXANDER MACKIE, of Warrington, in the County of Lancaster, Newspaper Proprietor, for an invention for—"Certain improvements in machinery or apparatus for 'setting' and distributing type, and in apparatus for preparing certain materials to be employed therewith." Letters Patent sealed.
PERRY. 19th June 1868.	1985. JOHN PERRY, of Rathdowney Brewery, in the Queen's County, Brewer, for an invention for—"Improvements in packing bottles and similar articles." Letters Patent sealed.
GREIG. GREIG. 19th June 1868.	1986. DAVID GREIG, and JOHN GREIG, both of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in lithographic printing machines, and in printing machines generally." Letters Patent sealed.

- NEWTON.
19th June 1868. 1987. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for aerial navigation."—*A communication to him from abroad by C. Williams, of the City of New York, United States of America.*
Provisional protection only.
- BOULTON.
19th June 1868. 1988. MATTHEW PIERS WATT BOULTON, of Tew Park, in the County of Oxford, Gentleman, for an invention for—"Improvements in apparatus for obtaining motive-power by the combustion of inflammable æriform fluids." *Letters Patent sealed.*
- DIERING.
TWIGG.
19th June 1868. 1989. FREDERICK BERNARD DIERING, of Victoria Street, in the City of Westminster, Civil Engineer, and ROBERT HARKNESS TWIGG, of East India Avenue, in the City of London, Civil Engineer, for an invention for—"Improvements in machinery for boring or working in rock, stone or earth." *Letters Patent sealed.*
- THIERRY.
19th June 1868. 1990. ALFRED JEAN BAPTISTE PIERRE THIERRY, residing at No. 146, Faubourg St. Denis, Paris, in the Empire of France, for an invention for—"Improvements in marine velocipedes or vessels." *Letters Patent sealed.*
- HEPPELL.
19th June 1868. 1991. THOMAS HEPPELL, of Pelaw Main Collieries, in the County of Durham, for an invention for—"Improvements in miners' safety lamps." *Letters Patent sealed.*
- OWEN.
20th June 1868. 1992. GEORGE OWEN, of 24, Compton Terrace, Islington, in the County of Middlesex, Dentist, for an invention for—"Improvements in chess boards and chess men." *Provisional protection only.*
- UMPHERSTON.
20th June 1868. 1993. WILLIAM UMPHERSTON, of Loanhead, in the County of Edinburgh, Engineer, for an invention for—"Improvements in steam-engines for obtaining an almost uniform speed, by means of connections between the governor and an auxiliary cut-off valve." *Letters Patent sealed.*
- MIDWOOD.
20th June 1868. 1994. GEORGE HARRISON MIDWOOD, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in the treatment of certain waste yarns or threads, and in the subsequent application thereof for the manufacture of woven fabrics." *Letters Patent sealed.*
- RICHARDSON.
20th June 1868. 1995. GEORGE RICHARDSON, of Whitefield, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in looms for weaving." *Letters Patent sealed.*
- COMMON.
20th June 1868. 1996. ANDREW AINSLIE COMMON, of South Bank, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in the manufacture of stench traps for sinks and drains." *Provisional protection only.*
- HART.
20th June 1868. 1997. HERBERT WILLIAM HART, of Warwick Crescent, Bayswater, in the County of Middlesex, Engineer, for an invention for—"Improvements in pots, vessels and urns for containing tea, coffee, cocoa, chocolate and such like hot beverages." *Provisional protection only.*
- HADLEY.
20th June 1868. 1998. JONAH HADLEY, of the City Flour Mills, in the City of London, for an invention for—"Improved apparatus for cleaning and decorticating wheat." *Letters Patent sealed.*
- WRIGHT.
20th June 1868. 1999. WILLIAM LECKIE GRAHAM WRIGHT, Engineer, Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the propelling of ships or vessels and in the machinery or apparatus employed therefor." *Provisional protection only.*
- MURRAY.
20th June 1868. 2000. CHARLES HENRY MURRAY, of Lonian Street, Southwark, in the County of Surrey, Machinist, for an invention for—"An improved device for uniting and securing the ends of straps and belts." *Letters Patent sealed.*
- BONNALL.
20th June 1868. 2001. JOHN BONNALL, of Grantham, in the County of Lincoln, for an invention for—"Improvements in thrashing-machines and in other machinery to be used therewith." *Letters Patent sealed.*
- SHELMERDINE.
WALKER.
HOLT.
20th June 1868. 2002. JONATHAN SHELMERDINE, Manager, WILLIAM WALKER, Draughtsman, and EDWARD HOLT, Engineer, all of the Albion Iron Works, Miles Platting, Manchester, in the County of Lancaster, for an invention for—"Improvements in valve gear for steam and other motive-engines." *Letters Patent sealed.*

BAYLISS. 20th June 1868.	2003. WILLIAM BAYLISS, Senior Partner of the firm of Bayliss, Jones and Bayliss, of Monmore Green, Wolverhampton, in the County of Stafford, and Cannon Street, in the City of London, Iron Hurdle and Fencing Manufacturers, for an invention for—"Certain improvements in the manufacture of wrought-iron hurdles, gates and fencing." <i>Provisional protection only.</i>
BOWEN. GLOVER. DAVIS. STANFORD. SCOTT. BELL. SHELDON. FARMER. MASKALL. COLBURN. COLE. 20th June 1868.	2004. SAMUEL BOWEN, and CHARLES GLOVER, and RICHARD HARRIS DAVIS, and THOMAS STANFORD, and THOMAS SCOTT, of Birmingham, in the County of Warwick, Mechanics, and ALEXANDER MIEN BELL, and EDWIN SHELDON, and WILLIAM FARMER, and LUKE MASKALL, and ELIJAH COLBURN, and JOHN CYRUS COLE, of Smethwick, in the County of Stafford, Mechanics, all employed at the Patent Nut and Bolt Company, Limited, London Works, near Birmingham, aforesaid, for an invention for—"Improvements in machinery for cutting or worming screws." <i>Letters Patent sealed.</i>
DE STAINS. 22nd June 1868.	2005. VICTOR DE STAINS, of 29, Shepperton Villas, N., London, for an invention for—"Improvements in the construction, propulsion and guidance of boats or other vessels." <i>Provisional protection only.</i>
AUSTIN. AUSTIN. 22nd June 1868.	2006. ROBERT AUSTIN, and WILLIAM KERR AUSTIN, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in rotatory engines and pumps." <i>Letters Patent sealed.</i>
TONGUE. 22nd June 1868.	2007. WILLIAM TONGUE, of Kennington, in the County of Surrey, Engineer, for an invention for—"Improvements in machinery for preparing fibrous materials for combing and spinning." <i>Provisional protection only.</i>
HUGHES. 22nd June 1868.	2008. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in machines for polishing needles."— <i>A communication to him from abroad by Chauncey Orrin Crosby, of the City and County of New Haven, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
HUGHES. 22nd June 1868.	2009. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in metallic cartridges."— <i>A communication to him from abroad by Oliver Fisher Winchester, of the City and County of New Haven, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
GEDGE. 22nd June 1868.	2010. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved means of indicating whether the doors of railway or other carriages are securely fastened or simply closed."— <i>A communication to him from abroad by Victor Décombes, of 39, Faubourg St. Martin, Paris, France.</i> <i>Provisional protection only.</i>
GILBEE. 22nd June 1868.	2011. WILLIAM ARMAND GILBEE, trading under the name or style of L. de Fontainemoreau, of the General Patent Office, 4, South Street, Finsbury, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for the manufacture of cards for carding."— <i>A communication to him from abroad by Charles Justin Deblon, of Lille, in the Empire of France.</i> <i>Letters Patent sealed.</i>
GRAY. GIBSON. 22nd June 1868.	2012. MATTHEW GRAY, of Highbury Hill, in the County of Middlesex, Engineer, and LEMUEL GIBSON, of Silvertown, in the County of Essex, Foreman, for an invention for—"Improvements in coating or covering electric conductors." <i>Letters Patent sealed.</i>
CLARK. 22nd June 1868.	2013. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for winding thread."— <i>A communication to him from abroad by Jean Alfred Desbois, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>

WHITEHOUSE. 22nd June 1868.	2014. CORNELIUS WHITEHOUSE, of Bridgtown, near Cannock, in the County of Stafford, Edge Tool and Auger Maker, in the employ of William Gilpin, Senior, and Company, of Wedgesmills and Churchbridge, Cannock, aforesaid, for an invention for—"Improvements in mill bills and picks for dressing millstones and for dressing stone for other purposes." <i>Letters Patent sealed.</i>
TAYLOR. 22nd June 1868.	2015. GEORGE TAYLOR, of Bradford, in the County of York, Bootmaker, for an invention for—"Improvements in the construction of boots and shoes, also in means to be used in connection with such construction." <i>Letters Patent sealed.</i>
HAYES. HAYES. 22nd June 1868.	2016. JAMES HAYES the elder, and JOSIAH HAYES, both of the Overend Iron Works, Elton, in the County of Huntingdon, Machine Makers, for an invention for—"Improvements in machinery for actuating straw shakers and vibratory screens or riddles." <i>Provisional protection only.</i>
JOHNSON. 22nd June 1868.	2017. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the production of a red color for dyeing and printing."— <i>A communication to him from abroad by Louis Durand, of Bale, in the Swiss Confederation.</i> <i>Letters Patent sealed; no specification filed.</i>
DOWNING. 23rd June 1868.	2018. CAMERON MACARTNEY HARWOOD DOWNING, Lieutenant in Her Majesty's Royal Regiment of Artillery, now residing at No. 36, Gloucester Terrace, Hyde Park, W., in the County of Middlesex, for an invention for—"Improvements in fire-arms, in the method of discharging them, and in the cartridge." <i>Letters Patent sealed.</i>
BONNEVILLE. 23rd June 1868.	2019. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Certain improvements in machinery for carding and spinning wool and other fibrous materials."— <i>A communication from Célestin Martin, a person resident at Pepinster, Verviers, in the Kingdom of Belgium.</i> <i>Provisional protection only.</i>
DOUGLAS. DOUGLAS. 23rd June 1868.	2020. JOHN DOUGLAS, and ALEXANDER DOUGLAS, both of Stranraer, in the County of Wigtown, North Britain, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
JOHNSON. 23rd June 1868.	2021. CHARLES JOHNSON, of Oxtou, in the County of Chester, Landscape Gardener, for an invention for—"Improvements in boilers for heating and circulating water and other liquids and generating steam." <i>Letters Patent sealed.</i>
NEWTON. 23rd June 1868.	2022. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of folding chair."— <i>A communication to him from abroad by Claudius Otignon Collignon and Nicholas Collignon, of Closter Bergen, State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 23rd June 1868.	2023. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of brick machine."— <i>A communication to him from abroad by Peter Hayden, of Pittsburgh, State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
BROWN. BROWN. 23rd June 1868.	2024. POTTO BROWN, of Houghton, and BATEMAN BROWN, of Huntingdon, for an invention for—"An improved staff or instrument to be used to ascertain the irregularities in the surfaces of millstones, with a view to their correction." <i>Letters Patent sealed.</i>
BURGESS. 23rd June 1868.	2025. CHARLES THOMAS BURGESS, of Brentwood, in the County of Essex, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
SOWERBY. 23rd June 1868.	2026. WILLIAM SOWERBY, Civil Engineer, of London, now resident at Surat, in the East Indies, for an invention for—"Improvements in rails and in the erection thereof on common roads or tracks for the passage of common carts, waggons, carriages and other vehicles having wheels without flanges." <i>Complete specification; Letters Patent sealed.</i>

GIACOMETTI.
24th June 1868.

2027. DOMINIQUE MARIE GIACOMETTI, of No. 22, Passage de la Bonne Graine, Rue du Faubourg St. Antoine, Paris, in the Empire of France, Commissioner of Police of the City of Paris, for an invention for—"Improvements in apparatus for economizing motive-power."—*The result partly of a communication made to him from abroad by François Montecucco, a person resident at 44, Rue du Faubourg du Temple, Paris, aforesaid, and partly of his own invention.*
Provisional protection only.

SUTTON.
24th June 1868.

2028. CHARLES THOMAS SUTTON, of 108, Holloway Road, in the County of Middlesex, for an invention for—"Improvements in apparatus to be used for educational purposes, to illustrate the propulsive force of steam and the action of the screw propeller."
Provisional protection only.

MOORE.
24th June 1868.

2029. BENJAMIN THEOPHILUS MOORE, of Elm Lodge, Spring Grove, Isleworth, in the County of Middlesex, Civil Engineer, for an invention for—"New or improved apparatus for protecting water pipes from injury by frost."
Letters Patent sealed.

CARR.
24th June 1868.

2030. WILLIAM CARR, of Manchester, in the County of Lancaster, Coach Builder, for an invention for—"Certain improvements in the construction and manufacture of carriages, coaches and other vehicles of a similar description."
Provisional protection only.

GREGORY.
24th June 1868.

2031. JAMES GREGORY, of King's Wood Iron Works, near Bristol, in the County of Gloucester, Engineer and Ironfounder, for an invention for—"Improvements in apparatus for charring and preparing animal charcoal, so as to render it fit for use in the process of purifying saccharine and other matters."
Provisional protection only.

UNDERWOOD.
24th June 1868.

2032. NATHANIEL CLAYTON UNDERWOOD, of the Hyde Road Iron Works, Gorton, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in carding-engines."
Provisional protection only.

CROCKER.
24th June 1868.

2033. WILLIAM HENRY CROCKER, of Boston, in the United States of America, but at present residing at 44, Castle Street, Liverpool, in the County of Lancaster, for an invention for—"Improvements in and in the manufacture of cartridges suitable for breech-loading fowling-pieces and other fire-arms."
Provisional protection only.

MITCHELL.
24th June 1868.

2034. JONATHAN MITCHELL, of Bradford, in the County of York, Contractor, for an invention for—"Improvements in furnaces."
Letters Patent sealed.

OWENS.
PATTERSON.
24th June 1868.

2035. SAMUEL OWENS, of Whitefriars Street, in the City of London, Engineer, and THOMAS PATTERSON, of Kennington, in the County of Surrey, for an invention for—"Improvements in winches and cranes or apparatus for raising or moving heavy bodies."
Letters Patent sealed; no specification filed.

LAMBERT.
24th June 1868.

2036. JOHN LAMBERT, of the firm of Messieurs J. and W. Lambert and Company, of the Town and County of the Town of Nottingham, for an invention for—"Improvements in ornamenting lace and other fabrics."
Provisional protection NOT allowed.

MACKIE.
MACKIE.
24th June 1868.

2037. MATTHEW MACKIE, and JOHN MACKIE, both of Kilbirnie, in the County of Ayr, North Britain, for an invention for—"Improvements in apparatus applicable to steam-boilers, for utilizing the waste heat and for economising fuel."
Letters Patent sealed.

RESELL.
24th June 1868.

2038. THOMAS RESELL, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Certain improvements in military and sporting guns, as also in cartridges applicable to the same or other descriptions of breech-loading guns now in use, as well as in bayonets for military guns."
Letters Patent sealed.

SMITH.
24th June 1868.

2039. GEORGE SMITH, of Upper Thames Street, in the City of London, Merchant, for an invention for—"Improvements in ventilating boots and shoes, and in the apparatus to be employed therein."
Provisional protection only.

WILSON.
24th June 1868.

2040. EDWARD BROWN WILSON, of Stockton-on-Tees, in the County of Durham, Engineer, for an invention for—"Improvements in furnaces."
Provisional protection only.

- ELSDON.**
24th June 1868. 2041. ROBERT ELSDON, of Brockham, in the County of Surrey, Engineer, for an invention for—"Improvements in burning lime and cement, and in apparatus employed therein." *Provisional protection only.*
- MUCKLOW.**
25th June 1868. 2042. EDWARD MUCKLOW, of Bury, Manchester and Glasgow, Manufacturer and Merchant, for an invention for—"Utilising refuse tanning matters for dyeing purposes." *Letters Patent sealed.*
- BRIGGS.**
25th June 1868. 2043. JOSEPH BRIGGS, of Barrow, in the County of Lancaster, Ironfounder, for an invention for—"Improvements in constructing ingot moulds." *Letters Patent sealed; specification filed by order.*
- JACK.**
25th June 1868. 2044. JAMES JACK, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in applying auxiliary screw propellers to sailing ships, and in the construction of sailing ships to adapt them therefor." *Letters Patent sealed.*
- LEVER.**
25th June 1868. 2045. ELLIS LEVER, of Denton, in the County of Lancaster, for an invention for—"Certain improvements in the preparation or coating of woven fabrics which are to be subsequently rendered liquid-proof or non-inflammable." *Provisional protection only.*
- AULTON.**
25th June 1868. 2046. ARTHUR DANIEL AULTON, of Walsall, in the County of Stafford, for an invention for—"A new or improved mode or manner of giving motion to sewing-machines and other like pieces of mechanism." *Provisional protection only.*
- GARRARD.**
25th June 1868. 2047. JOHN GOODJER GARRARD, of Harlow, in the County of Essex, Barge Owner, for an invention for—"Improvements in rick cloths." *Letters Patent sealed.*
- HIGHTON.**
25th June 1868. 2048. The Reverend HENRY HIGHTON, M.A., of 11, Sussex Square, Brighton, in the County of Sussex, for an invention for—"Improvements in the manufacture of artificial stone or slate, and in colouring the same." *Letters Patent sealed.*
- BOUSFIELD.**
25th June 1868. 2049. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in fire-arms and cartridges."—*A communication to him from abroad by Ambjorn Pierre le Comte Sparre, a person resident at Turin, in the Kingdom of Italy.* *Letters Patent sealed.*
- HINE.**
26th June 1868. 2050. JOHN HINE, of Cockermouth, in the County of Cumberland, Miller, for an invention for—"Improvements in apparatus for cutting or dressing millstones." *Letters Patent sealed.*
- HASTINGS.**
BRIGGS.
LAW.
26th June 1868. 2051. CHARLES HASTINGS, and JAMES BRIGGS, of the firm of Messieurs Charles Hastings and Company, of Bradford, in the County of York, Manufacturers, and JAMES LAW, of the same place, Manager, for an invention for—"Improvements in machinery and apparatus for finishing yarns made of wool and other fibrous substances." *Letters Patent sealed.*
- ABEL.**
26th June 1868. 2052. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"New or improved machinery or apparatus for cleansing or washing bottles."—*A communication to him from abroad by Adolphe Cointreau, of Angers, Maine et Loire, in the Empire of France, Distiller.* *Provisional protection only.*
- DODD.**
26th June 1868. 2053. THOMAS DODD, of Crumlin, near Newport, in the County of Monmouth, for an invention for—"Improved apparatus or arrangements for covering and uncovering railway trucks and waggons." *Letters Patent sealed.*
- BURKE.**
26th June 1868. 2054. MICHAEL BURKE, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in folding chairs." *Letters Patent sealed.*
- WINDER.**
26th June 1868. 2055. THOMAS WINDER, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in marine chain stoppers." *Letters Patent sealed.*
- CLOUGH.**
26th June 1868. 2056. ROBERT CLOUGH, of Grove Mill, Keighley, in the County of York, Worsted Spinner and Manufacturer, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- MAURICE.**
26th June 1868. 2057. SAMUEL SOLOMON MAURICE, of Monkwell Street, in the City of London, Commission Agent, for an invention for—"An improved fastening for neckties, scarfs and other articles."—*A communication to him from abroad by Simon Hayem, ainé, of 38, Rue du Sentier, Paris, France.* *Letters Patent sealed.*

TAYLOR. 26th June 1868.	2058. JAMES TAYLOR, of the firm of Taylor, Lang and Company, of Castle Iron Works, Stalybridge, in the County of Chester, for an invention for—"Improvements in machinery or arrangements for opening, cleaning and preparing cotton and other fibrous materials." <i>Provisional protection only.</i>
THOMSON. 26th June 1868.	2059. ANDREW THOMSON, of the Town and County of Southampton, Plumber, for an invention for—"Improvements in waterclosets." <i>Letters Patent sealed.</i>
HOLMES. 26th June 1868.	2060. FREDERIC HALE HOLMES, of Gravesend, in the County of Kent, Engineer, for an invention for—"Improvements in electro-magnetic and magneto-electric machines." <i>Letters Patent sealed.</i>
THOMAS. 26th June 1868.	2061. LUKE THOMAS, of No. 136, Leadenhall Street, in the City of London, for an invention for—"A new or improved apparatus to be used along shore, for the distillation of pure water from salt water or water impregnated with earthy or other matters." <i>Letters Patent sealed.</i>
BRANDON. 26th June 1868.	2062. ALEXANDER HORACE BRANDON, Engineer, of 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in metallic cartridge shells and heads."— <i>A communication to him by Henry Augustus Chapin and Charles William May, also of Paris.</i> <i>Provisional protection only.</i>
BLANCHFLOWER. 26th June 1868.	2063. TIMOTHY COLEMAN BLANCHFLOWER, of Great Yarmouth, in the County of Norfolk, BLOATER PASTE Manufacturer, for an invention for—"An improved mode of packing preserved meats and fruits for sale." <i>Letters Patent sealed.</i>
BRANDON. 26th June 1868.	2064. ALEXANDER HORACE BRANDON, Engineer, of 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in machinery for spinning hemp and other textile fabrics."— <i>A communication to him by William Sparks Thomson, Manufacturer, also of Paris.</i> <i>Letters Patent sealed.</i>
HODGE. 27th June 1868.	2065. PAUL RAPSEY HODGE, Civil Engineer, of 10, Adam Street, Adelphi, in the Parish of St. Martin's-in-the-Fields, in the County of Middlesex, for an invention for—"Improvements in and application of the use of hydrocarbonaceous fluids, in combination with highly attenuated or superheated steam, for the purposes of smelting, melting, reheating and working of metals, glass, porcelain or calcareous materials." <i>Provisional protection only.</i>
WARRY. 27th June 1868.	2066. ROBERT WARRY, Armourer Sergeant, of St. Mary's Barracks, Gillingham, in the County of Kent, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Provisional protection only.</i>
BAGGS. BRABY. 27th June 1868.	2067. ISHAM BAGGS, of High Holborn, in the County of Middlesex, Practical Chemist, and FREDERICK BRABY, of Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improvements in the extrication and condensation of ammonia, and in the manufacture of ammoniacal salts." <i>Letters Patent sealed.</i>
MATHER. 27th June 1868.	2068. COLIN MATHER, of Salford, in the county of Lancaster, Engineer, for an invention for—"An improved mode of excavating or loosening and removing soil and other deposits, for forming, deepening and cleansing harbours and docks and for other purposes." <i>Letters Patent sealed.</i>
BOWKER. IVERS. 27th June 1868.	2069. JONATHAN BOWKER, Machinist, and JAMES IVERS, Stoker, both of Chowbent, in the Parish of Leigh and County of Lancaster, for an invention for—"A slip or apparatus for raising, placing or replacing on the line of rails or metals, engines, tenders, carriages, trucks or other conveyances used thereon." <i>Provisional protection only.</i>
TYSON. 27th June 1868.	2070. JAMES TYSON, of Spark Bridge, near Ulverstone, in the County of Lancaster, Bobbin Turner, for an invention for—"Improvements in machinery used in the manufacture of bobbins for thread or for similar purposes." <i>Provisional protection only.</i>
McCULLOCH. 27th June 1868.	2071. GILBERT McCULLOCH, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in thread-polishing machines." <i>Letters Patent sealed.</i>
DEANE. 27th June 1868.	2072. WILLIAM FRANCIS DEANE, of Farnworth, near Bolton, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in obtaining oxide of manganese from a certain residual product of the manufacture of chlorine." <i>Provisional protection only.</i>

- LARGE.**
27th June 1868. **2073. HENRY LARGE**, of Notting Hill, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery for making bricks."
Letters Patent sealed.
- WILSON.**
27th June 1868. **2074. GEORGE HENRY WILSON**, in the employ of Messieurs Henry William Dee and Louis Dee, of 8, Sherwood Street, Golden Square, in the County of Middlesex, for an invention for—"Improvements in cases or apparatus for holding and winding tape measures or other bands."
Letters Patent sealed.
- MORRIS.**
27th June 1868. **2075. JAMES MORRIS**, of Boundary Road, Middlesborough, in the North Riding of the County of York, for an invention for—"Improvements in steam-boilers."
Letters Patent sealed.
- SMITH.**
27th June 1868. **2076. ROBERT SMITH**, of Compton Road, Islington, in the County of Middlesex, Ship Owner, for an invention for—"Improvements in the means employed for preventing the fouling of iron and other ships' bottoms."
Provisional protection only.
- STIFF.**
27th June 1868. **2077. WILLIAM CHARLES STIFF**, of Birmingham, in the County of Warwick, Merchant, for an invention for—"Improvements in breech-loading fire-arms and ordnance, and in cartridges for breech-loading fire-arms."
Provisional protection only.
- LAKE.**
27th June 1868. **2078. WILLIAM ROBERT LAKE**, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and apparatus for dyeing textile fabrics and yarns."—*A communication to him from abroad by Louis Gouchon, of Lisieux, in the Empire of France.*
Letters Patent sealed.
- HANNAH.**
29th June 1868. **2079. SAMUEL HANNAH**, of Haughton-le-Skerne, near Darlington, in the County of Durham, Engineer, for an invention for—"Certain improvements in fluid meters."
Letters Patent sealed.
- WARDMAN.**
BALDWIN.
BALDWIN.
29th June 1868. **2080. JAMES WARDMAN, JAMES BALDWIN, and FRANCIS BALDWIN**, all of Sandbeds, near Bingley, in the County of York, Boiler Makers, for an invention for—"Improvements in the construction of steam-boilers."
Provisional protection only.
- BAXTER.**
WARING.
WOOLLER.
29th June 1868. **2081. WILLIAM BAXTER, and DENTON WARING**, of Raglan's Mill, Bradford, in the County of York, Wool Extractors, and **JOSEPH SWITHIN WOOLLER**, of Bradford, aforesaid, Dyer, for an invention for—"Improvements in apparatus for drying textile fabrics and fibrous substances, applicable also for heating or cooling and evaporating liquids."
Letters Patent sealed.
- SHAW.**
CLAYTON.
29th June 1868. **2082. RICHARD SHAW, and JOHN CLAYTON**, of Higher Walton, near Preston, in the County of Lancaster, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- JEWITT.**
29th June 1868. **2083. HENRY JEWITT**, of Leighton Road, in the County of Middlesex, for an invention for—"A new toy in the shape of a mortar or spring gun."—*A communication to him from abroad by William Rose, of New York, United States of America.*
Provisional protection only.
- NEWTON.**
29th June 1868. **2084. ALFRED VINCENT NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in liquid meters."—*A communication to him from abroad by Robert Creuzbaur, of Brooklyn, in the State of New York, United States of America.*
Letters Patent sealed.
- BROOMAN.**
29th June 1868. **2085. CLINTON EDGCUMBE BROOMAN**, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in apparatus for bleaching or lixiviating fabrics and skeins."—*A communication to him from abroad by Auguste Scheurer Rott and Scheurer Rott, fils, of Thann, France.*
Letters Patent sealed.
- WILSON.**
29th June 1868. **2086. GEORGE HENRY WILSON**, in the employ of Messieurs Henry William Dee and Louis Dee, of 8, Sherwood Street, Golden Square, in the County of Middlesex, for an invention for—"Improvements in watches and other timekeepers."
Letters Patent sealed.
- BROOMAN.**
29th June 1868. **2087. CLINTON EDGCUMBE BROOMAN**, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of shawls and other like fabrics."—*A communication to him from abroad by Anthelme Pin, of Lyons, France.*
Letters Patent sealed.

LAKE. 29th June 1868.	2088. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus for generating and burning the vapour of naphtha."— <i>A communication to him from abroad by Joseph Weatherby Bartlett, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
DRECHSLER. 30th June 1868.	2089. FRANCIS JOSEPH DRECHSLER, of Saint John's Wood, in the County of Middlesex, for an invention for—"Improvements in the construction of boilers and furnaces, stoves or heating apparatus." <i>Provisional protection only.</i>
GLOVER. 30th June 1868.	2090. GEORGE GLOVER, of Ranelagh Road, Pimlico, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for the combustion of naphtha, benzole and similar liquids."— <i>A communication to him from abroad by Laslo Chandor, of St. Petersburg, in the Empire of Russia.</i> <i>Provisional protection only.</i>
BOWER. 30th June 1868.	2091. GEORGE BOWER, of St. Neots, in the County of Huntingdon, Gas Engineer, for an invention for—"Improvements in boilers for heating purposes." <i>Letters Patent sealed.</i>
RANDALL. CRABB. 30th June 1868.	2092. JOHN RANDALL, and WILLIAM RALPH CRABB, both of Battersea, in the County of Surrey, for an invention for—"An improved carriage to be propelled by the manual action of the passenger or passengers." <i>Provisional protection only.</i>
BLOMFIELD. 30th June 1868.	2093. JOSEPH BLOMFIELD, of Colchester, in the County of Essex, Managing Partner of the Britannia Sewing-Machine Company, for an invention for—"Improvements in stands or tables especially applicable for sewing-machines." <i>Letters Patent sealed.</i>
BEBRO. HOPWOOD. ELAM. 30th June 1868.	2094. MARCUS BEBRO, of Manchester, in the County of Lancaster, and OSWALD HOPWOOD, and WILLIAM ELAM, both of Liverpool, in the same County, for an invention for—"Improvements in mechanism or apparatus to be employed for numbering and printing tickets consecutively." <i>Letters Patent sealed.</i>
BANKS. 30th June 1868.	2095. JOHN HENRY BANKS, of Brook Street, Knutsford, in the County of Cheshire, Architect and Surveyor, for an invention for—"An improved method of constructing buildings such as mission churches, chapels, schools or any other buildings where economy of cost is an object, and for an improved ventilator which may be used in the construction of the buildings generally." <i>Provisional protection only.</i>
CLARK. 30th June 1868.	2096. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in breech-loading fire-arms and cartridges."— <i>A communication to him from abroad by Louis Isaac Cahen, alias Lyon, Manager of the firm of Cahen, Lyon and Company, of 13, Boulevard St. Martin, Paris, Manufacturers.</i> <i>Letters Patent sealed.</i>
DAGLISH. 30th June 1868.	2097. WILLIAM DAGLISH, of Willington Quay, in the County of Northumberland, Manager, for an invention for—"Improvements in kilns for burning bricks, tiles and pottery, and in consuming smoke in chemical furnaces and boiler furnaces." <i>Letters Patent sealed.</i>
ALDER. 30th June 1868.	2098. GEORGE ALDER, of Newcastle-on-Tyne, in the County of Northumberland, Engineer, for an invention for—"Improvements in screw propellers for propelling vessels." <i>Letters Patent sealed.</i>
WARD. 1st July 1868.	2099. ROBERT WARD, of the North of England Advertiser Office, Newcastle-upon-Tyne, for an invention for—"Improvements in machinery for spinning or twisting tobacco and otherwise preparing it for sale." <i>Letters Patent sealed.</i>
WARD. BLACK. 1st July 1868.	2100. THOMAS WARD, and WALTER SHAW BLACK, both of King's Lynn, in the County of Norfolk, for an invention for—"Improvements in machinery for twisting tobacco." <i>Letters Patent sealed.</i>
BROOKES. 1st July 1868.	2101. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in rotary steam-engines."— <i>A communication to him from abroad by Leon Hamar, of Pest, in the Kingdom of Hungary.</i> <i>Letters Patent sealed.</i>
BROOKES. 1st July 1868.	2102. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in electromagnetic railway breaks."— <i>A communication to him from abroad by Leon Hamar, of Pest, in the Kingdom of Hungary.</i> <i>Letters Patent sealed.</i>

- BROOKES.**
1st July 1868. **2103.** WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in meters for measuring water and other liquids."—*A communication to him from abroad by Leon Hamar, of Pest, in the Kingdom of Hungary.* *Letters Patent sealed.*
- SMITH.**
1st July 1868. **2104.** JAMES ALEXANDER SMITH, of 18, Little Russell Street, London, in the County of Middlesex, Gentleman, for an invention for—"Improvements in photographic apparatus." *Provisional protection not allowed.*
- CRAILSHEIM.**
1st July 1868. **2105.** CHARLES FRÉDÉRIC CRAILSHEIM, of Paris, in the Empire of France, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in bottles for effervescing liquids, and in stoppers for such bottles." *Letters Patent sealed.*
- TAYLOR.**
2nd July 1868. **2106.** ALFRED TAYLOR, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Certain improvements in neck-ties or cravats and in fasteners for the same, and which fastener may be used as a fastening in combination with shirts and shirt collars." *Provisional protection only.*
- ALEXANDER.**
2nd July 1868. **2107.** ANDREW ALEXANDER, of Herne Villa, Belvedere, in the County of Kent, Engineer, for an invention for—"Improvements in carriages and locomotive engines for working on steep inclines and sharp curves, but some of them applicable to locomotive engines generally." *Provisional protection only.*
- FRANCIS.**
2nd July 1868. **2108.** LEWIS FRANCIS, of the City, County and State of New York, in the United States of America, Stationer, for an invention for—"Improved compositions applicable to printing purposes and to the manufacture of printing materials, and the production of emery cloth, artificial hones and other polishing surfaces." *Letters Patent sealed.*
- HENSON.**
2nd July 1868. **2109.** HENRY HENSON HENSON, of No. 13, Parliament Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the construction of railway wagons and trucks." *Letters Patent sealed.*
- DEAN.**
ANDREW.
2nd July 1868. **2110.** WILLIAM DEAN, of Derby, in the County of Derby, Elastic Manufacturer, and RICHARD ANDREW, of the same place, Engineer and Mechanist, for an invention for—"Improvements in machinery or apparatus employed for stopping the loom upon the breaking of a weft thread or threads." *Letters Patent sealed.*
- PINFOLD.**
2nd July 1868. **2111.** JONATHAN DUMBLETON PINFOLD, of Rugby, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of and apparatus for making bricks, tiles and other articles, produced by expressing through moulding orifices the clay or materials of which they are composed." *Letters Patent sealed.*
- POYNTER.**
PATTERSON.
2nd July 1868. **2112.** JOHN EDGAR POYNTER, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, and THOMAS LAW PATTERSON, of Greenock, in the County of Renfrew, North Britain, Chemist, for an invention for—"Improvements in obtaining or manufacturing saltpetre, iodine and bromine." *Provisional protection only.*
- SCOTT.**
2nd July 1868. **2113.** EDWARD JOHN SCOTT, of Glasgow, in the County of Lanark, North Britain, Boot and Shoe Manufacturer, for an invention for—"Improvements in ornamenting boots and shoes." *Letters Patent sealed.*
- PAVEY.**
2nd July 1868. **2114.** FREDERICK ARCHIBALD PAVEY, of Bell Gardens, Peckham Rye, in the County of Surrey, for an invention for—"An improved marking board for billiards, bagatelle and other games requiring to be scored." *Provisional protection only.*
- HALL.**
2nd July 1868. **2115.** DENNIS HALL, of Wharton Grove, Winsford, in the County of Cheshire, for an invention for—"Improvements in the construction of furnaces and in apparatus for supplying them with fuel." *Letters Patent sealed.*
- GREGSON.**
2nd July 1868. **2116.** JOHN BRUMWELL GREGSON, of Gateshead, in the County of Durham, Chemist, for an invention for—"An improved production of sulphate of lead to be used as a pigment or for other purposes." *Provisional protection only.*
- PAVY.**
2nd July 1868. **2117.** EUGÈNE PAVY, of Paris, in the Empire of France, but now temporarily of London Street, in the City of London, for an invention for—"Improvements in treating and preparing certain vegetable and animal fibres, to manufacture a new description of fabric or stuff applicable to various useful and decorative purposes." *Letters Patent sealed.*

FENDER. 2nd July 1868.	2118. DAVID FENDER, of the Town and Borough of Berwick-on-Tweed, Millwright and Engineer, for an invention for—"Improvements in thrashing-machines." <i>Provisional protection only.</i>
CLARK. 2nd July 1868.	2119. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in barometers and other pressure indicators."— <i>A communication to him from abroad by Paul Baudet, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CLARK. 2nd July 1868.	2120. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the treatment or preparation of flax, hemp, jute and other fibrous matters for spinning purposes, and in apparatus for the same."— <i>A communication to him from abroad by Julien Hyacinthe Joseph Bayart, Commercial Agent, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
ROBERTSON. 2nd July 1868.	2121. ARTHUR FLOYD ROBERTSON, of Bedford Square, in the County of Middlesex, for an invention for—"Improvements in carts."— <i>A communication to him from abroad by Burgess Long, a person resident at Philadelphia, in the United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 2nd July 1868.	2122. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in shoes for horses and other animals, and in the method of securing the same to the hoof."— <i>A communication to him from abroad by François Lebacq, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
JOHNSON. 2nd July 1868.	2123. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of bridges."— <i>A communication to him from abroad by Rufus Spaulding Merrill, of Boston, in the State of Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>
ROUSSEL. 3rd July 1868.	2124. CHARLES ROUSSEL, of Louviers, in the Empire of France, Civil Engineer, for an invention for—"Improvements in machinery or apparatus for spinning, doubling and twisting fibrous substances." <i>Complete specification ; Letters Patent sealed.</i>
KANE. 3rd July 1868.	2125. ANDREW KANE, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in apparatus to be used for the manufacture of tobacco pipes." <i>Provisional protection only.</i>
JOHNSON. 3rd July 1868.	2126. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for the manufacture of paper pulp."— <i>A communication to him from abroad by the Incorporated Company "Debré and Grange" and Paul Pagnier, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BENNETT. WOODCOCK. 3rd July 1868.	2127. GEORGE BENNETT, and JAMES WOODCOCK, both of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the method of and means for effecting communication between guards, passengers and engine drivers on railways." <i>Letters Patent sealed.</i>
WARD. WARD. 3rd July 1868.	2128. JOSEPH WARD, and GEORGE MATTHEW WARD, of Gorton, near Manchester, in the County of Lancaster, for an invention for—"Improvements in the working of locomotive engines." <i>Provisional protection only.</i>
BROWN. 3rd July 1868.	2129. JOHN BORLASE BROWN, of Walker, in the County of Northumberland, Copper Refiner, for an invention for—"Improvements in furnaces for calcining ores and other mineral substances." <i>Letters Patent sealed.</i>
NEWTON. 3rd July 1868.	2130. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in automaton toys."— <i>A communication to him from abroad by William Farr Goodwin, of the City of New York, State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
HENRY. 3rd July 1868.	2131. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture and construction of receptacles for preserves and other provisions."— <i>A communication to him from abroad by Emile Peltier and Albert Paillard, both of Paris, France, Manufacturers of preserved provision boxes.</i> <i>Letters Patent sealed.</i>

- MULLER.
4th July 1868. 2132. JAN ANTHONY MULLER, of Amsterdam, in the Kingdom of Holland, at present residing at Christopher Street, Finsbury Square, in the County of Middlesex, for an invention for—"An improved meter for regulating and registering the flow of liquids and gases." *Letters Patent sealed.*
- HEAD.
4th July 1868. 2133. JEREMIAH HEAD, of the Newport Rolling Mills, Middlesborough, in the North Riding of the County of York, for an invention for—"Improvements in furnace grates and apparatus or appliances to be used therewith." *Letters Patent sealed.*
- FRYER.
4th July 1868. 2134. ALFRED FRYER, of Manchester, in the County of Lancaster, Sugar Refiner, for an invention for—"Improvements in the concentration and treatment of saccharine and saline solutions, and in apparatus employed therein." *Letters Patent sealed.*
- ALBINI.
4th July 1868. 2135. AUGUSTO ALBINI, of Genoa, and also of No. 1, New Broad Street Buildings, in the City of London, Captain in the Royal Italian Navy, for an invention for—"Improvements in mariners' or ships' compasses." *Letters Patent sealed.*
- MCNIEL.
WHEATON.
4th July 1868. 2136. ANDREW MCNIEL, of Tiverton, in the County of Devon, Engineer, and WILLIAM WHEATON, of Exeter, in the same County, Merchant, for an invention for—"An improved process for the manufacture of salts of ammonia from ammoniacal gas liquor." *Provisional protection only.*
- NEWBY.
4th July 1868. 2137. EDWIN HENRY NEWBY, of King William Street, in the City of London, for an invention for—"Improvements in reducing aluminium from its ores or earths, and in producing alloys therefrom."—*A communication to him from abroad by Anthony Leonard Fleury, of Boston, Massachusetts, United States of America.* *Letters Patent sealed.*
- NEEDHAM.
4th July 1868. 2138. RICHARD NEEDHAM, of Dukinfield, in the County of Chester, Engineer, for an invention for—"An improved fuel economizer and feed-water heater." *Provisional protection only.*
- MESSINGER.
4th July 1868. 2139. THOMAS GOODE MESSINGER, of the Midland Steam Works, Loughborough, in the County of Leicester, Hydraulic Engineer, Valve Manufacturer, and Horticultural Builder, for an invention for—"Improvements in the construction and erection of buildings used for horticultural or other similar purposes, and in machinery or apparatus employed therein." *Letters Patent sealed.*
- CLARK.
4th July 1868. 2140. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved fastening for boots, shoes and other articles."—*A communication to him from abroad by François Jean Guillaume Gobin, alias Daudé, Manufacturer of Hooks and Eyes, of 13, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- SLATER.
4th July 1868. 2141. GEORGE SLATER, of Lamb's Passage, in the County of Middlesex, Engineer, for an invention for—"An improved machine for plaiting or doubling strips or sheets of cloth, paper and other materials." *Provisional protection only.*
- KILNER.
OCLEE.
BURNS.
6th July 1868. 2142. JAMES KILNER, of the City of Manchester, in the County of Lancaster, Machinist, and FREDERICK HENRY OCLEE, of Salford, in the County of Lancaster, Dentist, and EDWARD BURNS, of Manchester, in the County of Lancaster, Machinist, for an invention for—"An improved cork drawer." *Provisional protection NOT allowed.*
- JENSEN.
6th July 1868. 2143. PETER JENSEN, of 4, Gordon Grove, Holland Road, Brixton, in the County of Surrey, Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Heinrich Pollack and Albert Edwin Schmidt, trading under the name of Pollack, Schmidt and Co., Hamburg.* *Letters Patent sealed.*
- FRYER.
6th July 1868. 2144. ALFRED FRYER, of Manchester, in the County of Lancaster, Sugar Refiner, for an invention for—"Improvements in the mode of treating, for evaporating and concentrating purposes, cane juice, beetroot juice and other saccharine and other solutions and liquids, and in the construction of apparatus for the concentration of saccharine and other solutions, and for the evaporation of liquids." *Letters Patent sealed.*

- DAVIES.
6th July 1868. 2145. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in locomotive engines."—*A communication to him from abroad by Meliton Martin, of Madrid, Civil Engineer.*
Letters Patent sealed.
- WALDENSTRÖM.
6th July 1868. 2146. ERIC HUGO WALDENSTRÖM, of the Broughton Copper Company, Limited, Salford, in the County of Lancaster, for an invention for—"An improved arrangement of mechanism to be employed for manufacturing metallic rivets or articles of a similar description."
Letters Patent sealed.
- WHITEHEAD.
6th July 1868. 2147. JAMES HEYWOOD WHITEHEAD, of Royal George Mills, in Saddleworth, in the West Riding of the County of York, Woollen Manufacturer, for an invention for—"Improvements in numnahs or saddle pads and in numnah blankets."
Letters Patent sealed.
- DAVIES.
7th July 1868. 2148. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in dyeing."—*A communication to him from abroad by Adolphe Jean James d'Andiran and Gustave Wegelin, of Paris, France, Manufacturers.*
Letters Patent sealed.
- THOMSON.
7th July 1868. 2149. JAMES THOMSON, of Peckham, in the County of Surrey, for an invention for—"Improvements in chimney tops and ventilators."
Provisional protection only.
- WILSON.
7th July 1868. 2150. GEORGE ROWE WILSON, of Birmingham, in the County of Warwick, India-Rubber Manufacturer, for an invention for—"Improvements in stereotype plates."
Letters Patent sealed.
- MAYALL.
7th July 1868. 2151. THOMAS JEFFERSON MAYALL, of Roxbury, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture of india-rubber soles for boots and shoes."
Letters Patent sealed.
- COPPÉE.
7th July 1868. 2152. EVENCE COPPÉE, of Haine St. Pierre, in the Kingdom of Belgium, Coke Manufacturer, for an invention for—"Improvements in the construction of coke furnaces."
Letters Patent sealed.
- VEITH.
7th July 1868. 2153. FERDINAND VEITH, of Zurich, Switzerland, Commission Agent, but now residing at Manchester, in the County of Lancaster, for an invention for—"Improvements in the treatment of straps or bands for driving machinery."—*A communication to him from abroad by Conrad Bek and Heinrich Bek, Foreigners, residing at Schaffhausen, Switzerland.*
Provisional protection only.
- LAWSON.
FITTON.
7th July 1868. 2154. JOHN LAWSON, of Leeds, in the County of York, Machinist, and EDWARD GERRARD FITTON, of the same place, Machinist, for an invention for—"Improvements in machines for hackling, combing, cleaning, preparing and spinning flax, tow, jute, hemp and other fibrous substances."
Letters Patent sealed.
- CRAMPTON.
7th July 1868. 2155. THOMAS RUSSELL CRAMPTON, of Great George Street, Westminster, for an invention for—"Improvements in constructing forts, fortifications or other defences."
Letters Patent sealed.
- WALKER.
7th July 1868. 2156. BERNARD PEARD WALKER, of North Road House, Wolverhampton, in the County of Stafford, Engineer, for an invention for—"Improvements in effecting the junctions of driving bands."
Letters Patent sealed.
- PRICE.
7th July 1868. 2157. ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Consulting Chemist, for an invention for—"Improvements in the treatment of phosphates of lime and in obtaining products therefrom."—*A communication to him from abroad by Eugène Pelouze and Lucien Dusart, both of Paris, in the Empire of France, Chemists.*
Provisional protection only.
- MORTON.
7th July 1868. 2158. GEORGE MORTON, of Birmingham, in the County of Warwick, Manager of Works, for an invention for—"Improvements in ornamenting fire-grates and fenders."
Letters Patent sealed.
- MAYALL.
8th July 1868. 2159. THOMAS JEFFERSON MAYALL, of Roxbury, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture of gas tubing and other articles of india-rubber."
Letters Patent sealed.

- MAYALL.**
8th July 1868.
- 2160.** THOMAS JEFFERSON MAYALL, of Roxbury, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in electric telegraph cables."
Letters Patent sealed.
- ABEL.**
8th July 1868.
- 2161.** CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in ornamenting textile fabrics, feathers, artificial flowers and such like articles."
—*A communication to him from abroad by Louis Larrüe, of No. 2, Rue de l'Arcade, Paris, in the Empire of France.*
Provisional protection only.
- LIVCHAK.**
8th July 1868.
- 2162.** JOSEF LIVCHAK, of 13, Stolzenthalgasse, Josefstadt, Vienna, in the Empire of Austria, Editor of the "Strachopud" Newspaper, for an invention for—"Improvements in the construction of aeronautical apparatus."
Provisional protection only.
- COOKE.**
8th July 1868.
- 2163.** JOHN FREDERIC COOKE, of 105, Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of copying ink."
Provisional protection only.
- HOLT.**
COPONET.
8th July 1868.
- 2164.** JOSEPH HOLT, of 4, Brooke Street, Upper Clapton, and GEORGE SPARCIATE COPONET, of 6, Red Lion Street, Clerkenwell, in the County of Middlesex, Engineers, for an invention for—"Improvements in printing-machines."
Letters Patent sealed.
- PREST.**
MATHER.
DOHERTY.
8th July 1868.
- 2165.** JOHN PREST, of the firm of Picksley, Sims and Company, Limited and Reduced, of Bedford Leigh, in the County of Lancaster, and WILLIAM MATHER, and WILLIAM DOHERTY, of the same place, for an invention for—"Certain improvements in agricultural apparatus termed 'chaff-cutters.'"
Letters Patent sealed.
- BROOKES.**
8th July 1868.
- 2166.** WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in means or apparatus for evaporating and condensing liquids."—*A communication to him from abroad by Thomas Prosser, of the City of New York, State of New York, United States of America.*
Provisional protection only.
- LE BLANC.**
8th July 1868.
- 2167.** ARMAND JULES LE BLANC, Mechanic, of 2, Rue Ste. Appoline, Paris, Empire of France, for an invention for—"Improvements in the manufacture of belts, bands or ropes for the transmission of power, for driving machinery and for other purposes."
Letters Patent sealed.
- COPPÉE.**
8th July 1868.
- 2168.** EVENCE COPPÉE, of Haine St. Pierre, in the Kingdom of Belgium, Coke Manufacturer, for an invention for—"Improved apparatus for crushing and washing coal for the manufacture of coke or artificial fuel."
Letters Patent sealed.
- KERR.**
8th July 1868.
- 2169.** THOMAS KERR, of Paisley, in the County of Renfrew, North Britain, for an invention for—"Improvements in fire-arms."
Provisional protection only.
- TASKER.**
8th July 1868.
- 2170.** WILLIAM TASKER the younger, of the Waterloo Iron Works, near Andover, in the County of Hants, for an invention for—"Improvements in machinery or apparatus for elevating straw and other produce."
Letters Patent sealed.
- ROUGET.**
9th July 1868.
- 2171.** ETIENNE ROUGET, of Paris, France, Chemist, for an invention for—"An improved mode of fixing on paper or other suitable surfaces, drawings in crayon, charcoal, black lead, or other materials of a more or less friable nature."
Letters Patent sealed.
- BEBO.**
9th July 1868.
- 2172.** MARCUS BEBO, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in apparatus for containing and delivering tickets or continuous lengths of paper or other similar materials."
Letters Patent sealed.
- HADFIELD.**
9th July 1868.
- 2173.** WILLIAM HADFIELD, of Ardwick, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- CHANDLER.**
9th July 1868.
- 2174.** JAMES CHANDLER, of 17, Cottage Grove, Mile End Road, in the County of Middlesex, England, for an invention for—"Improvements in apparatus for drawing and preventing waste of water from pipes, mains or other sources for domestic or other purposes."
Provisional protection only.

MAYALL. 9th July 1868.	2175. THOMAS JEFFERSON MAYALL, of No. 30, Budge Row, in the City of London, for an invention for—"Improvements in the treatment of india-rubber, gutta-percha or compounds thereof, and in the manufacture of type and other articles therefrom, for printing and other uses." <i>Letters Patent sealed.</i>
CREASY. 9th July 1868.	2176. WILLIAM CREASY, of Bulls Hall, Bedford, Wickham Market, in the County of Suffolk, for an invention for—"Improvements in machinery and apparatus for drying and otherwise treating grain and other substances." <i>Letters Patent sealed.</i>
HARRIS. PENDRED. 9th July 1868.	2177. JOHN HARRIS, of Harefield Iron Works, Middlesex, and VAUGHAN PENDRED, of Crohill Villa, Milton Road, Dulwich, Surrey, for an invention for—"Improvements in the manufacture of wrought iron and steel." <i>Letters Patent sealed.</i>
MABSON. 9th July 1868.	2178. JOHN MABSON, of Norwood, in the County of Surrey, for an invention for—"Improvements in apparatus for propelling persons in the water." <i>Provisional protection only.</i>
DOTY. 9th July 1868.	2179. HENRY HARRISON DOTY, of Bury Street, in the County of Middlesex, for an invention for—"Improvements in lamps for signalling and telegraphing at sea and on railways, lighting ships, docks, railway carriages and other similar purposes." <i>Letters Patent sealed.</i>
NUTTALL. 9th July 1868.	2180. THOMAS NUTTALL, of Bury, in the County of Lancaster, for an invention for—"Improvements in the bearing surfaces of horse collars, riding and harness saddles and similar articles."— <i>A communication to him from abroad by Eugene Sullivan, of New York, United States of America.</i> <i>Provisional protection only.</i>
OSWALD. 9th July 1868.	2181. WILLIAM RUDD OSWALD, of Pallion High Yard, Sunderland, in the County of Durham, for an invention for—"Improvements in the formation of steam and water tight joints in tubular boilers, surface condensers, and other such like apparatus in which tubes are employed." <i>Letters Patent sealed.</i>
WORTH. 9th July 1868.	2182. THOMAS WORTH, of Rochdale, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in railways." <i>Letters Patent sealed.</i>
CLARK. 9th July 1868.	2183. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in looms for weaving."— <i>A communication to him from abroad by Alphonse Goullioud, Stay Manufacturer, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
JOHNSON. 9th July 1868.	2184. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"A new musical instrument, parts of which are applicable to other musical instruments."— <i>A communication to him from abroad by Claude Gavioli, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
WRIGHT. 10th July 1868.	2185. WILLIAM LECKIE GRAHAM WRIGHT, of the City of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in rotatory engines and pumps, applicable to meters for measuring fluids." <i>Letters Patent sealed.</i>
HUGHES. 10th July 1868.	2186. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved wooden pavement."— <i>A communication to him from abroad by Zoeth Durfee, of Philadelphia, United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 10th July 1868.	2187. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved mode of cutting or utilizing old railway rails, and an improved construction of apparatus to be employed therefor."— <i>A communication to him from abroad by Leopold Tuskien, of Jemeppe, Belgium.</i> <i>Provisional protection only.</i>
DAVIES. 10th July 1868.	2188. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in filling the spaces between the beams or joists of iron floors and ceilings."— <i>A communication to him from abroad by Vincent Garcin and Auguste Bourlier, both of Paris, France, Merchants.</i> <i>Provisional protection only.</i>

- JEFFERYS.**
10th July 1868.
2189. JOHN JEFFERYS, of Tottenham Court Road, in the County of Middlesex, Jeweller, for an invention for—"Improvements in studs and buttons."
Letters Patent sealed.
- CHURCHILL.**
10th July 1868.
2190. JAMES DIXON CHURCHILL, of Oxford Street, in the County of Middlesex, for an invention for—"Improvements in hot-air engines."
Letters Patent sealed.
- GLOVER.**
10th July 1868.
2191. FREDERICK ROBERT AUGUSTUS GLOVER, of Brading, in the Isle of Wight, Master of Arts, for an invention for—"Improved means of and apparatus for fishing ships' anchors."
Provisional protection only.
- DAVIES.**
11th July 1868.
2192. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of armour for the protection of vessels of war, fortifications, batteries and other works of like nature."—*A communication to him from abroad by Henry Cook and Harry Whiteside Cook, both of Paris, in the Empire of France.*
Provisional protection only.
- RUSSELL.**
11th July 1868.
2193. WILLIAM RUSSELL, of 2, Lamb's Passage, Chiswell Street, E.C., for an invention for—"An improvement in machinery for making paper bags and envelopes."
Letters patent sealed; specification filed by order.
- TRAVIS.**
PRINCE.
TOMLINSON.
11th July 1868.
2194. THOMAS TRAVIS, and **WILLIAM HENRY PRINCE**, both of Rochdale, in the County of Lancaster, Silk Spinners, and **JAMES TOMLINSON**, of the same place, Machine Maker, for an invention for—"Improvements in machinery and apparatus for clearing, smoothing, stretching and finishing yarn and thread."
Letters Patent sealed.
- NIBBS.**
11th July 1868.
2195. JAMES SYSON NIBBS, of Birmingham, in the County of Warwick, Lamp Manufacturer, for an invention for—"Improvements in portable and other pumps and water engines."
Provisional protection only.
- KING.**
11th July 1868.
2196. THOMAS KING, of Brick Lane, Spitalfields, in the County of Middlesex, for an invention for—"Improvements in bungs or corks for casks and other similar vessels, some parts of which are also applicable to vent pegs."
Provisional protection only.
- MACKIE.**
11th July 1868.
2197. ROBERT MACKIE, of Stewarton, in the County of Ayr, North Britain, for an invention for—"Improvements in caps or bonnets."
Letters Patent sealed.
- BRUNTON.**
11th July 1868.
2198. JOHN DICKINSON BRUNTON, of 6, Leighton Crescent, Kentish Town, Middlesex, Engineer, for an invention for—"Improvements in tools and machinery or apparatus for cutting slate and other rock."
Letters Patent sealed.
- BROOMAN.**
11th July 1868.
2199. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in locks."—*A communication to him from abroad by John Dewe, George Harding, and Bartholomew Lalor, all of Toronto, Canada.*
Letters Patent sealed.
- GARSDIE.**
11th July 1868.
2200. HENRY GARSDIE, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in file-cutting machines."
Provisional protection only.
- EDWARDS.**
13th July 1868.
2201. ERNEST EDWARDS, of 20, Baker Street, in the County of Middlesex, Photographer, for an invention for—"Improvements in photography."
Letters Patent sealed.
- WILLIS.**
JUDD.
13th July 1868.
2202. JOHN NATHANIEL WILLIS the younger, of Woodbine Cottage, South Hill Road, Gravesend, in the County of Kent, Photographic Artist, and **SAMUEL JUDD** the younger, of No. 16, Edwin Street, Gravesend, aforesaid, Upholsterer, for an invention for—"A new syringe to be used or applied in combination with combs, brushes and other similar articles."
Letters Patent sealed.
- HANSON.**
13th July 1868.
2203. WILLIAM JAMES HANSON, of "The Royds," Rawfolds, Cleckheaton, in the County of York, Dyer, Printer and Stover, for an invention for—"Improvements in dyeing wool or other fibrous substances."
Provisional protection only.
- PURICELLI.**
13th July 1868.
2204. GIOVANNI BATTISTA PURICELLI, of Alfred Street, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in apparatus for printing or endorsing."
Letters Patent sealed.

OLDHAM. 13th July 1868.	2205. ADAM OLDHAM, of Southport, in the County of Lancaster, Carver and Gilder, for an invention for—"An improvement in the means of hanging and adjusting picture frames, and other articles of a like nature." <i>Provisional protection only.</i>
MUNRO. ADAMSON. 13th July 1868.	2206. ARCHIBALD MUNRO, of Arbroath, in the County of Forfar, North Britain, and WILLIAM BENNET ADAMSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture or casting of tools." <i>Letters Patent sealed.</i>
MUNRO. ADAMSON. 13th July 1868.	2207. ARCHIBALD MUNRO, of Arbroath, in the County of Forfar, North Britain, and WILLIAM BENNET ADAMSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of iron and other metallic substances." <i>Letters Patent sealed.</i>
MATHER. 13th July 1868.	2208. GEORGE RADFORD MATHER, of Wellingborough, in the County of Northampton, Engineer, for an invention for—"Improvements in mills for grinding or mixing colors or other matters." <i>Provisional protection only.</i>
BETJEMANN. BETJEMANN. BETJEMANN. 13th July 1868.	2209. GEORGE BETJEMANN, GEORGE WILLIAM BETJEMANN, and JOHN BETJEMANN, all of 36 and 38, Pentonville Road, in the County of Middlesex, for an invention for—"Improvements in book slides." <i>Letters Patent sealed.</i>
LAKE. 13th July 1868.	2210. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by Moritz Hilf, of Wiesbaden, Prussia.</i> <i>Letters Patent sealed.</i>
LAKE. 13th July 1868.	2211. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in railway carriages."— <i>A communication to him from abroad by Thomas Clare Hargrave, of Boston, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
LEAVER. 14th July 1868.	2212. JOSEPH CHRISTOPHER LEAVER, of Number 6, Queen Street Place, Upper Thames Street, in the City of London, Gentleman, for an invention for—"Improvements in the construction of railway sleepers." <i>Provisional protection only.</i>
TAYLOR. TAYLOR. 14th July 1868.	2213. JAMES TAYLOR, and JAMES MATHEW HENRY TAYLOR, both of Britannia Works, Birkenhead, in the County of Chester, for an invention for—"Improvements in the method of and machinery or apparatus for propelling ships or vessels." <i>Provisional protection only.</i>
BASTOW. 14th July 1868.	2214. JOHN BASTOW, of Shepherd's Bush, in the County of Middlesex, Gentleman, for an invention for—"Improvements in bleaching or whitening textile fabrics yarns and threads made from flax, cotton or other vegetable fibrous materials." <i>Letters Patent sealed.</i>
KITTOE. 14th July 1868.	2215. EDMUND FREDERICK KITTOE, of Maryland Point, Stratford, in the County of Essex, for an invention for—"Improvements in fish slices or cooking slices for turning over or lifting fish or other articles being cooked." <i>Provisional protection only.</i>
BOOTH. 14th July 1868.	2216. JOHN BOOTH, of the Town or Borough of Kingston-upon-Hull, Millwright and Ironfounder, carrying on business under the style or firm of "Oldham and Booth," for an invention for—"Improvements in mills for grinding bones, grain and other materials." <i>Provisional protection only.</i>
COPE. BRADBROOK. 14th July 1868.	2217. JAMES COPE, of New North Street, Finsbury, in the County of Middlesex, Engineer, and JAMES BRADBROOK, of Shrubland Road, Dalston, in the same County, Bookbinder, for an invention for—"Improvements in apparatus to be used in bookbinding." <i>Letters Patent sealed.</i>
WOOD. 14th July 1868.	2218. THOMAS WOOD, of Manchester, in the County of Lancaster, for an invention for—"Improvements in the construction of railway carriages and in the method of coupling the same, as also in the method of and apparatus for signalling between passengers, guards and engine drivers of trains, and officials and others at stations and other places." <i>Letters Patent sealed.</i>

SHAW.
14th July 1868.

FARWELL.
14th July 1868.

GALLOWAY.
HOLT.
14th July 1868.

PAYTON.
14th July 1868.

THOMPSON.
INGRAM.
14th July 1868.

HANNART.
AUBERTIN.
14th July 1868.

HANNART.
AUBERTIN.
14th July 1868.

LAWRENCE.
14th July 1868.

TAYLOR.
15th July 1868.

DE BERGUE.
HADDAN.
15th July 1868.

HOLLINGWORTH.
HALSTEAD.
15th July 1868.

COUTY.
RICHARD.
15th July 1868.

CHAMBERLIN.
15th July 1868.

JOHNSON.
15th July 1868.

BONNALL.
15th July 1868.

2219. WRIGHT SHAW, of Clayton, in the County of Lancaster, for an invention for—"Certain improvements in looms for weaving." *Letters Patent sealed.*

2220. WILLIAM BRIGHAM FARWELL, of the City and State of New York, United States of America, now of Frankfort-on-the-Maine, in the Kingdom of Prussia, for an invention for—"An improved method of and apparatus for heating railway carriages." *Letters Patent sealed.*

2221. CHARLES JOHN GALLOWAY, of the City of Manchester, in the County of Lancaster, Engineer, and CHARLES HERBERT HOLT, of the same place, Engineer, for an invention for—"Improvements in operating piston valves of steam-engines." *Letters Patent sealed.*

2222. WALTER PAYTON, of 70, Sewardstone Road, Victoria Park, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." *Provisional protection only.*

2223. JOHN THOMPSON, of No. 11, Aldersgate Street, and JAMES GEORGE INGRAM, of Wilmer Gardens, Hoxton, for an invention for—"Improvements in caps for feeding-bottles for infants and invalids." *Letters Patent sealed.*

2224. LOUIS HANNART, and NICOLAS ALPHONSE AUBERTIN the younger, both of King Street, Cheapside, in the City of London, for an invention for—"Improvements in the manufacture of door plates, name plates, stencil plates and sign plates, suitable for sign boards for the fronts and other parts of shops and other buildings, and for other similar purposes." *Provisional protection NOT allowed.*

2225. LOUIS HANNART, and NICOLAS ALPHONSE AUBERTIN the younger, both of King Street, Cheapside, in the City of London, for an invention for—"Improvements in the manufacture of printers' type, numerals, and other characters and devices or designs capable of being printed from." *Provisional protection only.*

2226. HENRY LAWRENCE, of the City of Durham, Engineer, for an invention for—"Improvements in moving furnace bars." *Provisional protection only.*

2227. ALFRED TAYLOR, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Certain improvements in spring studs applicable for uniting and securing together wristbands, shirt and dress fronts, collars and other articles or parts of dress." *Provisional protection only.*

2228. CHARLES DE BERGUE, of 10, Strand, in the City of Westminster, Engineer, and JOHN COOPE HADDAN, of 39, Vincent Square, in the City of Westminster, Engineer, for an invention for—"Improvements in strong rooms and in safes." *Letters Patent sealed.*

2229. WILLIAM HOLLINGWORTH, of Bradford, in the County of York, Boot Maker, and HENRY HALSTEAD, of the same place, Wool Buyer, for an invention for—"Improved means or apparatus for regulating the amount of gas supplied to street and other lamps, to render it unnecessary to shut off and relight the same." *Provisional protection only.*

2230. RENÉ COUTY, and JULES RICHARD, Pianoforte and Harmonium Manufacturers, of No. 82, Boulevard Sébastopol, Paris, in the Empire of France, for an invention for—"Improvements in the construction of instruments for facilitating vocal instruction at schools." *Letters Patent sealed.*

2231. ROBERT CHAMBERLIN, of Burton Street, Eaton Square, in the County of Middlesex, for an invention for—"A new or improved tool or chisel for mortising machines."—*A communication to him from abroad by Otis Adams and James Hatch, both of the City and County of San Francisco, in the State of California.* *Provisional protection only.*

2232. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in lamps."—*A communication to him from abroad by Madame Marie Chaussy, of Paris, in the Empire of France.* *Letters Patent sealed.*

2233. JOHN BONNALL, of Grantham, in the County of Lincoln, for an invention for—"Improvements in drills for distributing corn, seed, manure and water." *Letters Patent sealed; no specification filed.*

COOK. 15th July 1868.	2234. THOMAS COOK, of Paragon Works, Pitt Street, Old Kent Road, in the County of Surrey, Engineer and Machinist, for an invention for—"Certain improvements in presses for the expression of oil and other fluids." <i>Provisional protection only.</i>
TURNER. 15th July 1868.	2235. WILLIAM TURNER, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in buckets to be employed in air pumps and other pumps." <i>Letters Patent sealed.</i>
MACFARLANE. 16th July 1868.	2236. JAMES LAIRD MACFARLANE, of Upper Holloway, in the County of Middlesex, Artist, for an invention for—"Improvements in shirt fronts." <i>Provisional protection only.</i>
WHISTON. 16th July 1868.	2237. ROBERT WHISTON, Builder, 7, Clifton Terrace, Chapel Ash, Wolverhampton, in the County of Stafford, for an invention for—"An improved safety window and window sash lock fastener." <i>Provisional protection only.</i>
RIPLEY. SHACKLETON. 16th July 1868.	2238. HENRY WILLIAM RIPLEY, of Bradford, in the County of York, and THOMAS SHACKLETON, of Bradford, aforesaid, for an invention for—"Improvements in machinery or apparatus for winding warps or threads of cotton, wool or other fibrous substances." <i>Letters Patent sealed.</i>
BERSON. 16th July 1868.	2239. RUBIN BERSON, of 343, Edgeware Road, London, W., in the County of Middlesex, for an invention for—"A new apparatus for the rapid boiling by means of charcoal fire, and for a self-acting bellows for aerating the same." <i>Provisional protection only.</i>
WINTOUR. 16th July 1868.	2240. THOMAS FITZ GERALD WINTOUR, of Gillies Street, Carlton Road, in the County of Middlesex, Esquire, for an invention for—"Improvements in apparatus for ventilating, principally intended to be used for ventilating rooms or apartments in houses or other buildings." <i>Provisional protection only.</i>
RUSSELL. 16th July 1868.	2241. DANIEL RUSSELL, of Camberwell, in the County of Surrey, Master Mariner, for an invention for—"Improvements in the masting of ships and vessels." <i>Provisional protection only.</i>
RAMSDEN. 16th July 1868.	2242. JOHN CARTER RAMSDEN, of Bradford, in the County of York, Reed Maker, for an invention for—"Improvements in the mechanism or apparatus of looms for producing a certain class of fancy fabrics." <i>Provisional protection only.</i>
LAKE. 16th July 1868.	2243. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved implement for cutting hay, straw and other like substances."— <i>A communication to him from abroad by George Smith Fisher, of Buffalo, New York, United States of America, Gentleman.</i> <i>Letters Patent sealed.</i>
LAKE. 16th July 1868.	2244. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in links or couplings for harness and other purposes."— <i>A communication to him from abroad by George Smith Fisher, of Buffalo, New York, United States of America, Gentleman.</i> <i>Letters Patent sealed.</i>
DAVIS. 16th July 1868.	2245. SAMUEL DAVIS, of the Strand, in the County of Middlesex, for an invention for—"Improvements in apparatus for clipping horses, sheep or other animals, or the wool or hair from the skins of animals." <i>Provisional protection only.</i>
MOULTON. 17th July 1868.	2246. GEORGE MOULTON, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in pentagraph engraving machines employed in the engraving of cylindrical or other surfaces." <i>Letters Patent sealed.</i>
ELLIS. 17th July 1868.	2247. WILLIAM IRLAM ELLIS, of Number Twenty, Barnsbury Park, in the Parish of Islington, in the County of Middlesex, Engineer, for an invention for—"Improvements in cranes." <i>Letters Patent sealed.</i>
FUNNELL. 17th July 1868.	2248. EDWARD FUNNELL, of 54, East Street, Brighton, in the County of Sussex, Watch and Clock Maker, for an invention for—"Improvements in signalling on railways." <i>Letters Patent sealed.</i>
STONE. 17th July 1868.	2249. CECIL PERCIVAL STONE, of Gloucester Street, Dorset Square, in the County of Middlesex, Lieutenant H.M. 77th Regt., for an invention for—"Improvements in the construction of vessels of war." <i>Provisional protection only.</i>

WOOLLAN. 17th July 1868.	2250. ANN WOOLLAN, of No. 15, Ladbroke Terrace, Notting Hill, in the County of Middlesex, for an invention for—"A new or improved fastener or protector for securing watches, purses and other similar articles, so as to prevent robbery from the person." <i>Provisional protection only.</i>
DUGUID. 17th July 1868.	2251. JOHN DUGUID the younger, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of paper and in the means employed therefor." <i>Letters Patent sealed.</i>
MUIR. 17th July 1868.	2252. WILLIAM JOHN COCKBURN MUIR, of Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of the permanent way of railways." <i>Letters Patent sealed.</i>
GALLOWAY. HOLT. 17th July 1868.	2253. CHARLES JOHN GALLOWAY, of the City of Manchester, in the County of Lancaster, Engineer, and CHARLES HERBERT HOLT, of the same place, Engineer, for an invention for—"Improvements in boilers for generating steam, and in apparatus connected therewith for heating the feed water." <i>Letters Patent sealed.</i>
EADES. EADES. 17th July 1868.	2254. WILLIAM EADES, and WILLIAM THOMAS EADES, both of Birmingham, in the County of Warwick, Machinists, for an invention for—"Improvements in apparatus for obtaining and communicating motive-power, specially applicable for lifting weights." <i>Provisional protection only.</i>
BROWNE. 17th July 1868.	2255. ALEXANDER BROWNE, of the firm of Browne and Company, Patent Agents, of 49, King William Street, in the City of London, for an invention for—"Improvements in liquid meters."— <i>A communication to him from abroad by Henry George Robinson, of Dunkerque, in the Empire of France.</i> <i>Provisional protection only.</i>
ROBERTS. 17th July 1868.	2256. JOHN ROBERTS, of No. 49, King William Street, in the City of London, Merchant, for an invention for—"Improvements in the construction of vessels or chambers for cooling and preserving edibles and liquids, and for other cooling purposes." <i>Provisional protection only.</i>
DEACON. 17th July 1868.	2257. SOLOMON DEACON, of Alma Street, Hoxton, in the County of Middlesex, Builder, for an invention for—"An improved fastening especially applicable as a sash fastening." <i>Letters Patent sealed.</i>
MELDRUM. 17th July 1868.	2258. ROBERT MELDRUM, of Pittormie, Cupar, in the County of Fife, North Britain, for an invention for—"Improvements in machinery or apparatus for raising and discharging fluids." <i>Provisional protection only.</i>
COWPER. 17th July 1868.	2259. EDWARD ALFRED COWPER, of No. 6, Great George Street, Westminster, in the County of Middlesex, for an invention for—"A new or improved glass ornament applicable to lace and other fabrics, and the instruments or apparatus employed in the production of the same." <i>Provisional protection only.</i>
SOWDEN. STEPHENSON. 18th July 1868.	2260. DAVID SOWDEN, and REUBEN CALVERT STEPHENSON, of Bradford, in the County of York, Machine Makers, for an invention for—"Improvements in shuttles employed in looms for weaving."— <i>A communication to them from abroad by Thomas Hatch, of the City of Lawrence, State of Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
WEBSTER. 18th July 1868.	2261. DANIEL WEBSTER, of Southport Gas Works, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of gas and in apparatus connected therewith." <i>Letters Patent sealed.</i>
KENDRICK. DAVIES. 18th July 1868.	2262. THOMAS KENDRICK, of Birmingham, in the County of Warwick, Designer and Modeller, and SIMEON DAVIES, of Dudley, in the County of Worcester, Whitesmith, for an invention for—"Improvements in fire-irons, part of which invention is applicable to fenders, to stove grates and other fire-places." <i>Letters Patent sealed.</i>
JOHNSON. 18th July 1868.	2263. CUTHBERT GREENWOOD JOHNSON, of the North Yorkshire Iron Works, Stockton-on-Tees, for an invention for—"Improvements in kilns and apparatus for drying and burning bricks and other articles." <i>Letters Patent sealed.</i>
GILL. 18th July 1868.	2264. JOSEPH GILL, of Palermo, in the Island of Sicily, at present residing at Halfway Street, near Eltham, in the County of Kent, for an invention for—"Improvements in engines for obtaining motive-power." <i>Letters Patent sealed.</i>
THOMAS. 18th July 1868.	2265. JOHN THOMAS, of the Town and County of Newcastle-upon-Tyne, for an invention for—"Improvements in furnaces for smelting and melting." <i>Letters Patent sealed.</i>

BERRY. 18th July 1868.	2266. WILLIAM BERRY, of 10, Kingsland Green, in the County of Middlesex, for an invention for—"Improvements in the means or apparatus for lighting shops, rooms and other places, from the outside of the building, by gas, oil or other illuminating materials." <i>Letters Patent sealed.</i>
CHOMÉ-STEINBACH. 18th July 1868.	2267. FREDERIC CHOMÉ-STEINBACH, of Brussels, in the Kingdom of Belgium, for an invention for—"An improved joint for metallic pipes for conveying fluids and liquids." <i>Provisional protection only.</i>
LAKE. 18th July 1868.	2268. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in propelling machinery for canal boats and other vessels."— <i>A communication to him from abroad by Frederick R. Pike, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
BONELL. 20th July 1868.	2269. THOMAS BONELL, of Newcastle, in the County of Stafford, Engineer, for an invention for—"Improvements in slide valves of steam-engines." <i>Provisional protection only.</i>
BARLOW. 20th July 1868.	2270. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in machinery for preparing, spinning and doubling cotton and other fibrous substances."— <i>A communication to him from abroad by Eugene Huret, Manufacturer, and François Louis Debruyne, Spinner, both of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
GRAY. 20th July 1868.	2271. THOMAS WOOD GRAY, of 1, Margaret St., Limehouse, for an invention for—"Improvements in lightning conductors." <i>Letters Patent sealed.</i>
WINTER. 20th July 1868.	2272. WILLIAM WINTER, of Leeds, in the County of York, Sewing-Machine Maker, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
CUNNINGHAM. 20th July 1868.	2273. WILLIAM JOHN CUNNINGHAM, of Oxford Street, in the County of Middlesex, Machinist and Engineer, for an invention for—"Improvements in means or apparatus for raising and lowering window blinds, curtains and other articles." <i>Letters Patent sealed.</i>
BEANES. 20th July 1868.	2274. EDWARD BEANES, of Cordwalles, near Maidenhead, in the County of Berks, for an invention for—"Improvements in brewing." <i>Letters Patent sealed.</i>
SMYTH. 20th July 1868.	2275. ROBERT SMYTH, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for propelling vessels." <i>Provisional protection only.</i>
WILCOX. 20th July 1868.	2276. CHARLES POLLOCK WILCOX, of Mold, in the County of Flint, for an invention for—"An improved counting machine and numerical recorder." <i>Letters Patent sealed.</i>
GREEN. 20th July 1868.	2277. THOMAS GOODWIN GREEN, of Church Gresley Pottery, in the County of Derby, Earthenware Manufacturer, for an invention for—"Improvements in the preparation or manufacture of a composition intended to be used in the manufacture of earthenware, porcelain or vitreous articles." <i>Provisional protection only.</i>
ROSE. 20th July 1868.	2278. LAUCHLAN ROSE, of Leith, in the County of Edinburgh, Lime and Lemon Juice Merchant, for an invention for—"An improved aerated liquid or artificial champagne." <i>Letters Patent sealed.</i>
BRETT. DANIELS. 20th July 1868.	2279. ROBERT BRETT, of Gislegham, Farmer, and GEORGE DANIELS, of Bentley, Machinist, both in the County of Suffolk, for an invention for—"Improvements in engines or machines for driving drums used with apparatus for cultivating land by steam power, in drums for the same, and in apparatus for moving the machines from place to place." <i>Letters Patent sealed.</i>
RAINE. 20th July 1868.	2280. JOSEPH RAINE, of Richmond, Yorkshire, for an invention for—"An improved method of and apparatus for obtaining panoramic pictures by means of photography." <i>Provisional protection only.</i>
HODGSON. 20th July 1868.	2281. CHARLES HODGSON, of Richmond, in the County of Surrey, for an invention for—"Improved means of and apparatus for transporting loads." <i>Letters Patent sealed.</i>

- BATES.
BATES.
FAULKNER.
20th July 1868.
2282. WILLIAM HENRY BATES, and ALFRED MASON BATES, both of Leicester, India-Rubber Manufacturers, and HUGH FAULKNER, of the same place, Manager, for an invention for—"Improvements in the manufacture of flexible tubes or hose."
Letters Patent sealed.
- HOMFRAY.
20th July 1868.
2283. ALFRED HOMFRAY, of Witley Lodge, Halesowen, in the County of Worcester, Gentleman, for an invention for—"Improvements in separating coal, cokes and breezes, from bats and other impurities, and in machinery or apparatus to be employed for that purpose, which improvements and machinery or apparatus may be applied to the separation of various other substances."
Letters Patent sealed.
- WEEKES.
20th July 1868.
2284. CHARLES WEEKES, Civil Engineer, of 13A, Great George Street, Westminster, for an invention for—"Improvements in the application of iron for building purposes, and in the means of connecting the same, particularly applicable to fortifications."
Letters Patent sealed.
- GREEN.
21st July 1868.
2285. FITZOWEN GREEN, of No. 1, Argyle Terrace, Waterford Road, Fulham, in the County of Middlesex, for an invention for—"Improvements in lamps for burning benzine and other volatile oils and spirits, also applicable for burning non-volatile oils."
Provisional protection only.
- KOHN.
21st July 1868.
2286. TOBIAS KOHN, of Hartford, Connecticut, United States of America, for an invention for—"New or improved machinery for cleaning and finishing silk, worsted and other threads."
Complete specification; Letters Patent sealed.
- DESCHAMPS.
21st July 1868.
2287. THEODORE DESCHAMPS, of Rue de Choiseul, No. 16, at Paris, Merchant, for an invention for—"An improved fastening for gloves."
Letters Patent sealed.
- WARREN.
21st July 1868.
2288. FREDERICK WARREN, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in apparatus employed for heating water for conservatories, baths and private and public buildings."
Provisional protection only.
- WILLE.
21st July 1868.
2289. ALPHONSE ABRAHAM WILLE, generally known as Wille Alphonse, of Woodside Cottage, Whitehall Road, Woodford, in the County of Essex, for an invention for—"Improvements in bleaching or extracting the colour from feathers."
Provisional protection only.
- HECTOR.
21st July 1868.
2290. JOHN MARSDEN HECTOR, of Blandford Saint Mary, in the County of Dorset, Gentleman, for an invention for—"Improvements in fusee boxes and in mechanism connected therewith."
Letters Patent sealed.
- ASTON.
21st July 1868.
2291. JAMES JONES ASTON, of 4, Middle Temple Lane, London, Barrister-at-Law, for an invention for—"Improvements in paddle-wheels."
Provisional protection only.
- CLARK.
21st July 1868.
2292. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for feeding steam-boilers and liquid or fluid reservoirs, partly applicable to pumps."—*A communication to him from abroad by Charles François Thibault, Engineer, of 13, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- GIBB.
22nd July 1868.
2293. THOMAS GIBB, of Jarrow-on-Tyne, in the County of Durham, for an invention for—"Improvements in the treatment of metallic ores and compounds."
Letters Patent sealed.
- MARTIN.
22nd July 1868.
2294. GEORGE MARTIN, of Toadsmoor Rock Mills, near Stroud, in the County of Gloucester, for an invention for—"Improvements in the manufacture of extract wool, and in the process and apparatus employed in destroying the vegetable material in mixed fabrics, which apparatus is applicable for other purposes."
Letters Patent sealed.
- BRADSHAW.
22nd July 1868.
2295. CHARLES WILLIAM BRADSHAW, of Stubbington, in the County of Hants, for an invention for—"Improvements in coupling hose for steam and fire engines, gas and water pipes, hydrants and other similar purposes."
Provisional protection only.
- JOHNSON.
22nd July 1868.
2296. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the production of a red coloring matter."—*A communication to him from abroad by Alexander Clavel, of Basle, Switzerland.*
Letters Patent sealed.

LANGDALE.
22nd July 1868.

2297. SAMPSON LANGDALE, of Newcastle-upon-Tyne, Chemical and Artificial Manure Manufacturer, for an invention for—"Improvements in the preparation of artificial manures."
Provisional protection only.

TASSIE.
PATCHETT.
22nd July 1868.

2298. PETER TASSIE, and ISAAC PATCHETT, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for plaiting, folding or lapping textile fabrics, paper, pattern cards or similar materials."
Provisional protection only.

HAMILTON.
22nd July 1868.

2299. WILLIAM TIGHE HAMILTON, of Rathmines, Dublin, for an invention for—"A dovetailing machine."
Letters Patent sealed.

WALDO.
22nd July 1868.

2300. CHARLES FORSTER WALDO, Merchant, No. 13, Bread Street, Cheapside, in the City of London, for an invention for—"A new method of and new apparatus for raising, moving, transferring and discharging water or other fluids."—*A communication to him from abroad by Charles Johannson, of Ploockhoff, in the Government of Pschernigoff, in the Empire of Russia.*
Provisional protection only.

HAMILTON.
22nd July 1868.

2301. WILLIAM TIGHE HAMILTON, of Rathmines, Dublin, for an invention for—"An improved method of converting circular into reciprocating motion."
Letters Patent sealed.

DULAC.
22nd July 1868.

2302. LOUIS DULAC, of Lille, in the Department of Le Nord, in the French Empire, Manufacturer, for an invention for—"Improvements in drying and beating all kinds of threads, and in combining apparatus for that purpose."
Letters Patent sealed.

HADLEY.
22nd July 1868.

2303. SIDNEY HOPTON HADLEY, of Bartram Park, Hampstead, in the County of Middlesex, for an invention for—"Improvements in decorticating wheat and in apparatus to be used for decorticating wheat and other grain."
Letters Patent sealed.

WARD.
WHALE.
22nd July 1868.

2304. THOMAS ARTHUR WARD, and HENRY WHALE, both of No. 4, Newington Causeway, in the County of Surrey, for an invention for—"Improvements in racket bats."
Provisional protection only.

BROOMAN.
22nd July 1868.

2305. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Friederich Von Martini, of Frauenfeld, Switzerland.*
Letters Patent sealed.

FIRTH.
FIRTH.
FIRTH.
FIRTH.
22nd July 1868.

2306. THOMAS FREEMAN FIRTH, JOSIAH FIRTH, CHARLES HENRY FIRTH, and EDWIN FIRTH, all of Heckmondwike, in the County of York, Woollen Manufacturers and Merchants, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.

FEAR.
22nd July 1868.

2307. HENRY FEAR, trading under the style or firm of Edwin Cotterill and Company, of Birmingham, in the County of Warwick, Lock and Door Spring Manufacturers, for an invention for—"Improvements in door springs and spring hinges."
Provisional protection only.

HAMBLETON.
22nd July 1868.

2308. FRANCIS HENRY HAMBLETON, of Clarges Street, Piccadilly, in the County of Middlesex, for an invention for—"Improvements in the manufacture of laminated armour plates, and other forgings composed of sheets or bars of iron or steel welded to one another by rolling."
Letters Patent sealed.

DENNIS.
22nd July 1868.

2309. WILLIAM DENNIS, of Aldermanbury, in the City of London, Merchant, for an invention for—"Improvements in letter boxes, letter pillars and such like depositories."
Provisional protection only.

BOWRON.
LUNGE.
23rd July 1868.

2310. JAMES BOWRON, of Forest Hall, near Newcastle-on-Tyne, Chemical Manufacturer, and GEORGE LUNGE, Doctor of Philosophy, of South Shields, in the County of Durham, for an invention for—"Improvements in the manufacture of iron and steel."
Letters Patent sealed.

BUCHAN.
23rd July 1868.

2311. ADAM BUCHAN, of Hazlehead, near Aberdeen, North Britain, Blacksmith, for an invention for—"Improvements in the construction of ploughs."
Provisional protection only.

- HUGHES.**
23rd July 1868. **2312. EDWARD THOMAS HUGHES**, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the mode of treating flax and in apparatus employed therein."—*A communication to him from abroad by Lewis McDonald Hills, of the City and County of New Haven and State of Connecticut, United States of America.* *Letters Patent sealed.*
- GILBERT.**
23rd July 1868. **2313. WILLIAM GILBERT**, of Birmingham, in the County of Warwick, Stamper and Piercer, for an invention for—"Improvements in lockets." *Letters Patent sealed.*
- PEARSON.**
23rd July 1868. **2314. PETER PEARSON**, of the firm of Henry Thorne and Company, of Leeds, in the County of York, for an invention for—"Certain improvements in the treatment and preparation of cocoa." *Letters Patent sealed.*
- HART.**
23rd July 1868. **2315. THOMAS HART**, of Blackburn, in the County of Lancaster, Rope, Twine and Cotton Banding Manufacturer, for an invention for—"Improvements in machinery employed in the manufacture of banding cords or twine from cotton, hemp, flax or other fibrous materials." *Provisional protection only.*
- HORNER.**
23rd July 1868. **2316. FREDERICK HORNER**, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of chandeliers, bedsteads, tin and iron cans, kettles and pans, and such other domestic articles as have hitherto been made of expensive metals, such as copper and brass." *Provisional protection only.*
- HARRISON.**
23rd July 1868. **2317. WILLIAM SAMUEL HARRISON**, of Commercial Road, Peckham, in the County of Surrey, Horologist, for an invention for—"Improvements in the construction of clocks or other timekeepers, and in the method of and apparatus for regulating and setting them by the aid of electricity." *Letters Patent sealed.*
- SHAW.**
HEAD.
23rd July 1868. **2318. MATTHEW TURNER SHAW**, and **THOMAS HOWARD HEAD**, both of No. 141, Cannon Street, in the City of London, for an invention for—"Improvements in hydraulic apparatus for lifting, hauling and lowering." *Letters Patent sealed.*
- PURDEY.**
23rd July 1868. **2319. JAMES PURDEY**, of Oxford Street, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in fire-arms." *Letters Patent sealed.*
- BROOMAN.**
23rd July 1868. **2320. CLINTON EDGCUMBE BROOMAN**, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in rotary steam-engines."—*A communication to him from abroad by Jean Vander Hielakker, of Pontoise, France.* *Provisional protection only.*
- KILNER.**
23rd July 1868. **2321. JOHN KILNER**, of Wakefield, in the County of York, Glass Bottle Manufacturer, for an invention for—"An improved method of and apparatus for manufacturing glass." *Letters Patent sealed; no specification filed.*
- BROMHEAD.**
WHITMEE.
23rd July 1868. **2322. JOSEPH SYKES BROMHEAD**, of Victoria Road, and 32, South Grove, Peckham, in the County of Surrey, and **JOSEPH WHITMEE**, of St. John St., Clerkenwell, in the County of Middlesex, Engineers, for an invention for—"Improvements in dry gas regulators." *Letters Patent sealed.*
- BOCHKOLTZ.**
24th July 1868. **2323. AUGUSTE BOCHKOLTZ**, Inspector General of Railways, of the City of Vienna, in the Empire of Austria, for an invention for—"Improvements in self-acting valves by the use of compressed air." *Letters Patent sealed.*
- HATFIELD.**
24th July 1868. **2324. ROBERT GRIFFITH HATFIELD**, of 53, Chancery Lane, in the County of Middlesex, and of New York, in the United States of America, for an invention for—"Improvements in sliding door rollers, also applicable in other cases where reciprocating motion is employed." *Letters Patent sealed.*
- DANCHELL.**
24th July 1868. **2325. FREDRICK HAHN DANCHELL**, of Horwith, near Bolton, in the County of Lancashire, Civil Engineer, for an invention for—"Certain improvements in the mode of utilizing fuel." *Letters Patent sealed.*
- BARNABY.**
24th July 1868. **2326. NATHANIEL BARNABY**, Naval Architect, of Park Villas, High Road, Lee, in the County of Kent, for an invention for—"Improvements in sheathing iron or steel ships or vessels with zinc or other metal or material not galvanically destructive to iron in sea water." *Provisional protection only.*

LAKE. 24th July 1868.	2327. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in teeth for machines for picking or separating cotton, wool and other fibres."— <i>A communication to him from abroad by Robert Wilde and Charles Schofield, both of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
SMITH. 24th July 1868.	2328. GEORGE SMITH, of Camberwell New Road, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in machinery for obtaining rotary motion, and for raising, forcing and measuring fluids." <i>Letters Patent sealed.</i>
THIBIERGE. 24th July 1868.	2329. GERMAIN ADOLPHE THIBIERGE, of Versailles (France), Chemist, for an invention for—"Improvements in preserving animal and vegetable substances." <i>Letters Patent sealed.</i>
YOUNG. 24th July 1868.	2330. ROBERT YOUNG, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in dressing millstones and in apparatus therefor." <i>Letters Patent sealed.</i>
WRIGLEY. YATES. 24th July 1868.	2331. THOMAS WRIGLEY, of Manchester, in the County of Lancaster, Mechanical Engineer, and WALTER EDWARD YATES, of the same place, Manager, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
GEDGE. 24th July 1868.	2332. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the method of and apparatus for feeding steam-boilers."— <i>A communication to him from abroad by Emile Adolphe Tyrode and Pierre Théophile Cousty, both of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
GEORGE. 24th July 1868.	2333. BENJAMIN GEORGE GEORGE, of Hatton Garden, in the County of Middlesex, Printer, for an invention for—"Improved machinery for bronzing printed work." <i>Letters Patent sealed and specification filed by order.</i>
JOHNSON. 24th July 1868.	2334. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of cast and wrought iron and steel, and in the furnaces employed therefor."— <i>A communication to him from abroad by Auguste Ponsard and François Eugène Boyenval, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
RITCHIE. 25th July 1868.	2335. CHARLES RITCHIE, of Upper Tulse Hill, in the County of Surrey, Gentleman, for an invention for—"Improvements in portable head-dress and other coverings for protecting the head or body against sun, rain or weather." <i>Provisional protection only.</i>
YOUNG. POLLOCK. MORRISON. 25th July 1868.	2336. JOHN YOUNG, Miller, of Milliken Park, in the County of Renfrew, North Britain, ROBERT POLLOCK, Grain Merchant, of Paisley, in the same County, and JOHN MORRISON, Plumber and Brassfounder, also of Paisley, for an invention for—"Improvements in arrangements or apparatus for preventing smoke in connection with boiler furnaces." <i>Provisional protection only.</i>
STEEL. 25th July 1868.	2337. JAMES STEEL, of Glasgow, in the County of Lanark, North Britain, Brewer, for an invention for—"Improvements in cask-washing apparatus." <i>Provisional protection only.</i>
GREENHALGH. 25th July 1868.	2338. JOHN GREENHALGH, of Oldham, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery or apparatus for opening and cleaning cotton and other fibrous materials." <i>Letters Patent sealed.</i>
BROOMAN. 25th July 1868.	2339. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in apparatus for drying filamentous matters, tissues and other substances."— <i>A communication to him from abroad by Louis Beck, of Elbeuf, France.</i> <i>Provisional protection only.</i>
ABEL. 25th July 1868.	2340. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved process for separating the zinc from the argentiferous alloys obtained in the separation of silver from argentiferous lead by means of zinc, and improvements in the furnaces employed for that purpose."— <i>A communication to him from abroad by Hilarion Roux, of Marseilles, in the Empire of France, Merchant.</i> <i>Complete specification: Letters Patent sealed.</i>

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| BRIGHAM
BICKERTON.
25th July 1868. | 2341. JOHN BRIGHAM, and RICHARD BICKERTON, both of the Town and Borough of Berwick-on-Tweed, Implement Makers, for an invention for—"Improvements in drill rollers and seed sowers combined or as separate machines."
<i>Letters Patent sealed.</i> |
| NEWTON.
25th July 1868. | 2342. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of portable railway."— <i>A communication to him from abroad by James Knox Glenn, of New York City, in the United States of America.</i>
<i>Letters Patent sealed.</i> |
| WRAY.
25th July 1868. | 2343. LEONARD WRAY, of Ramsgate, in the County of Kent, Gentleman, for an invention for—"Improved methods of and apparatus for obtaining or separating metals from their ores, matrices, slimes and tailings."
<i>Letters Patent sealed and specification filed by order.</i> |
| NEWTON.
25th July 1868. | 2344. ROBERT NEWTON, of Leeds, in the County of York, Engineer, for an invention for—"Improved machinery for opening and straightening fibres."
<i>Letters Patent sealed.</i> |
| PRINCE.
25th July 1868. | 2345. ALEXANDER CHARLES MONTAGUE PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"A new or improved bell-pull for door bells."— <i>A communication to him from abroad by Sterling Bonsall and Louis Hillebrand, both resident at Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i> |
| LAKE.
25th July 1868. | 2346. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in steam-boilers, and in the means for maintaining the proper water level in the same."— <i>A communication to him from abroad by Robert Wilde, of Philadelphia, Pennsylvania, United States of America.</i>
<i>Provisional protection only.</i> |
| CLARK.
25th July 1868. | 2347. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the means of steering steam vessels and in apparatus for the same."— <i>A communication to him from abroad by Corrado Trinchieri, of 13, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i> |
| THORMAN.
27th July 1868. | 2348. ARTHUR JAMES THORMAN, of No. 8, Lime Street, in the City of London, for an invention for—"Improvements in the means of and apparatus for obtaining and applying motive-power."— <i>A communication to him from abroad by Johann Ernst Friedrich Lüdeke, of Dransfeld, Hanover, in the Kingdom of Prussia.</i>
<i>Provisional protection only.</i> |
| HOGG.
27th July 1868. | 2349. JAMES ALLISON HOGG the younger, of the City of Edinburgh, in Scotland, Gas Engineer, for an invention for—"An improved lamp."
<i>Letters Patent sealed.</i> |
| LOUGHTON.
JACKSON.
27th July 1868. | 2350. GEORGE RICHARD VEVERS LOUGHTON, and EDWARD BLASINI JACKSON, Merchants, of Paris, 16, Rue de la Banque, for an invention for—"A new or improved material for the manufacture of bosses for flax spinning machinery."
<i>Letters Patent sealed.</i> |
| HIGGIN.
27th July 1868. | 2351. JAMES HIGGIN, of the City of Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in making aniline black and in applying it to textile fabrics and yarns."
<i>Letters Patent sealed.</i> |
| LEWIS.
27th July 1868. | 2352. JOHN LEWIS, of Preston, in the County of Lancaster, Engineer, for an invention for—"Improvements in the means and apparatus for increasing heat by combustion of fuels and consuming smoke."
<i>Provisional protection only.</i> |
| LAURENDEAU.
27th July 1868. | 2353. CHARLES JOSEPH LAURENDEAU, Doctor of Law and Advocate, of No. 82, Boulevard Sébastopol, Paris, in the Empire of France, for an invention for—"Improvements in life-preserving apparatus for floating and sustaining persons in the water."
<i>Letters Patent sealed.</i> |

DUFRENÉ.
27th July 1868.

2354. HECTOR AUGUSTE DUFRENÉ, of No. 10, Rue de la Fidélité, Paris, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"An improved indicator of time and distance for vehicles, applicable also for registering the speed of the said vehicles and the number of passengers carried by the same."—*A communication from Monsieur Louis Edouard Hannecart, a person resident at Avesnes, in the Empire of France.*
Provisional protection only.

NEWTON.
27th July 1868.

2355. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved propeller for steam vessels, canal boats and other vessels."—*A communication to him from abroad by Robert Hunter, of the City of New York, United States of America.*
Letters Patent sealed.

LAMBE.
STERRY.
FORDRED.
27th July 1868.

2356. FREDERICK LAMBE, and ARTHUR CHARLES STERRY, both of Rotherhithe New Road, in the County of Surrey, Paraffine Refiners, and JOHN FORDRED, of Blackheath, in the County of Kent, Chemist, for an invention for—"Improvements in treating animal and vegetable oils, fats, fatty acids, wax, resins, essential oils, balsams and the solid and liquid hydrocarbons." *Letters Patent sealed.*

CLARK.
27th July 1868.

2357. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of artificial ice and in apparatus for the same."—*A communication to him from abroad by Jean Baptiste Toselli, Manufacturer, of 13, Boulevard St. Martin, Paris.*
Letters Patent sealed.

McCURD.
28th July 1868.

2358. CLAVERHOUSE ALFRED McCURD, of Bloomsbury, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing-machines." *Provisional protection only.*

GREEN.
28th July 1868.

2359. WILLIAM FREDERICK MONDAY GREEN, of Staines Road, Sunbury, in the County of Middlesex, for an invention for—"Improvements in the loading of muzzle-loading big guns, and the apparatus connected therewith." *Provisional protection only.*

LEWIS.
28th July 1868.

2360. WALTER LEWIS, of Redditch, in the County of Worcester, Needle and Fish Hook Manufacturer, for an invention for—"Improvements in needle wrappers." *Letters Patent sealed.*

WATTS.
28th July 1868.

2361. HENRY WATTS, of Water Street, in the City of London, Hot Water Engineer, for an invention for—"Improvements in the construction of rails for railways." *Provisional protection only.*

STEANE.
28th July 1868.

2362. EDWARD SAMUEL TYRRELL STEANE, of Barking, in the County of Essex, Soap Manufacturer, for an invention for—"Improvements in the manufacture of soap." *Provisional protection only.*

HYDES.
BENNETT.
28th July 1868.

2363. THOMAS HYDES, of Sheffield, in the County of York, Ironmonger, and JOSEPH BENNETT, of Sheffield, aforesaid, Engineer, for an invention for—"Improved means or appliances for facilitating the transit and application of caloric, also for mixing caloric with air, water and other fluids and gases, also for economizing the consumption of fuel, consuming smoke, generating steam and increasing and distributing heat, and for refrigerating purposes." *Letters Patent sealed.*

WEBSTER.
28th July 1868.

2364. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of gas and vapour, and in applying such gas and vapour in manufacturing and refining iron and other metals, and in recovering certain products therefrom." *Letters Patent sealed.*

HODGSON.
BOTTOMLEY.
COCKROFT.
28th July 1868.

2365. GEORGE HODGSON, of Bradford, in the County of York, Loom Manufacturer, HENRY BOTTOMLEY, of Low Moor, near the said Bradford, Manufacturer, and EZRA COCKROFT, of Odsall Moor, also near the said Bradford, Overlooker, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed; no specification filed.*

BULLOUGH.
28th July 1868.

2366. JOHN BULLOUGH, of Accrington, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*

LA MONT.
28th July 1868.

2367. CHARLES AUGUSTUS LA MONT, of the City, County and State of New York, in the United States of America, Gentleman, for an invention for—"An improved preparation of eggs." *Letters Patent sealed.*

LAKE.
28th July 1868.

2368. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in glue and in the mode of and apparatus for manufacturing the same, the said improvements being also applicable to the manufacture of gelatine and other material."—*A communication to him from abroad by Christian Wahl, of the City of Chicago, County of Cook, State of Illinois, in the United States of America.* Complete specification; Letters Patent sealed.

MARTIN.
VARLEY.
28th July 1868.

2369. SAMUEL MANBY MARTIN, of Pinner, in the County of Middlesex, and SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, in the said County of Middlesex, Telegraph Engineers, for an invention for—"Improvements in train inter-communication, parts of which invention are applicable to electro-magnetic and electric telegraph apparatus." Letters Patent sealed.

MORRALL.
28th July 1868.

2370. ABEL MORRALL, of Studley, in the County of Warwick, Needle Manufacturer, for an invention for—"Improvements in the manufacture of needles." Letters Patent sealed.

ONIONS.
29th July 1868.

2371. JOHN ONIONS, of 41, Great Union Street, Newington Causeway, in the County of Surrey, for an invention for—"Improvements in means employed to ascertain the number of passengers or visitors, and the amount of money received by omnibus conductors and other persons." Provisional protection only.

SIMPSON.
29th July 1868.

2372. JOSEPH SIMPSON, of Ardwick, near the City of Manchester, Engineer, for an invention for—"Improvements in machinery for moulding toothed wheels." Letters Patent sealed.

WINSER.
29th July 1868.

2373. FRANKLIN WINSER, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in the manufacture of sulphate of magnesia or epsom salts from dolomite or magnesium limestone." Letters Patent sealed.

MABSON.
29th July 1868.

2374. JOHN MABSON, of Norwood, in the County of Surrey, for an invention for—"An improved cinder sifter and shovel combined." Letters Patent sealed.

HERRING.
29th July 1868.

2375. EDWARD HERRING, of 22, Beer Lane, in the City of London, Consulting Brewer, for an invention for—"Improvements in the treatment of saccharine solutions of malt or sugar." Letters Patent sealed.

LAKE.
29th July 1868.

2376. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved compound to be used as a substitute for linseed oil in the preparation of paint and varnish."—*A communication to him from abroad by Robert Edmund Ferguson and Benbow Brunswick Ferguson, both of Chicago, Illinois, United States of America.* Letters Patent sealed.

LAKE.
29th July 1868.

2377. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in breech-loading fire-arms, parts of which improvements are applicable to other fire-arms."—*A communication to him from abroad by Samuel Remington, of Ilion, New York, United States of America.* Letters Patent sealed.

LAKE.
29th July 1868.

2378. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in sewing-machines and in the means for heating the thread used in the same."—*A communication to him from abroad by Daniel Mills, of the City and State of New York, United States of America, Machinist.* Letters Patent sealed.

NEWTON.
29th July 1868.

2379. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved cutting and polishing powder applicable in the manufacture of cutting, grinding and sharpening tools, and in the production of refractory substances."—*A communication to him from abroad by Adrien Tardieu, of Paris, in the Empire of France.* Letters Patent sealed.

HARPER.
29th July 1868.

2380. JOHN ROBERT HARPER, of the firm of R. Harper and Son, Silversmiths, of Red Lion Street, Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in the production or manufacture of strips or ribbons of zinc or alloys of zinc suitable for being employed in the manufacture of telegraphic cables." Provisional protection only.

RADCLIFFE. 29th July 1868.	2381. JAMES RADCLIFFE, of Consett Hall, in the County of Durham, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
ROBINSON. 29th July 1868.	2382. HENRY OLIVER ROBINSON, of London and Glasgow, but at present residing at Glasgow, in the County of Lanark, North Britain, for an invention for—"A new or improved dredger." <i>Provisional protection only.</i>
LISTER. 29th July 1868.	2383. SAMUEL CUNLIFFE LISTER, of Manningham, in the County of York, for an invention for—"Improvements in the manufacture of cut pile fabrics." <i>Letters Patent sealed.</i>
JEFFREYS. 29th July 1868.	2384. JULIUS JEFFREYS, of Upper Norwood, in the County of Surrey, for an invention for—"Improvements in preserving animal and vegetable substances." <i>Letters Patent sealed.</i>
WOLSTENHOLME. 30th July 1868.	2385. JOHN WOLSTENHOLME, of Radcliffe, in the County of Lancaster, Engineer, for an invention for—"Improvements in the valves of steam-engines for pumping and other purposes." <i>Provisional protection only.</i>
WOODHOUSE. McMINNIES. 30th July 1868.	2386. GEORGE WOODHOUSE, of Bolton, in the County of Lancaster, Architect, and JOHN GORDON McMINNIES, of Farrington, near Preston, in the said County, Cotton Spinner, for an invention for—"Improvements in the construction of mills or manufactories, warehouses and other buildings." <i>Letters Patent sealed.</i>
WATKINS. 30th July 1868.	2387. ALEXANDER WATKINS, of No. 36, Henrietta Street, in the Parish of St. Paul, Covent Garden, in the County of Middlesex, Watch and Chronometer Maker, for an invention for—"Improvements in the construction of watches, chronometers, clocks and other timekeepers." <i>Letters Patent sealed.</i>
ROECKNER. 30th July 1868.	2388. CARL HEINRICH ROECKNER, of the Hurtsbourn Paper Mills, Whitechurch, in the County of Hants, for an invention for—"Improvements in machinery for the manufacture of paper." <i>Provisional protection only.</i>
LISTER. 30th July 1868.	2389. SAMUEL CUNLIFFE LISTER, of Manningham, in the County of York, for an invention for—"Improvements in the manufacture of silk velvets which are woven face to face and then cut asunder, also in treating silk to be used in such manufacture."— <i>A communication to him from abroad by Jacinto Barran, a person resident at Barcelona, in the Kingdom of Spain.</i> <i>Letters Patent sealed.</i>
ROBERTS. CROSS. 30th July 1868.	2390. THOMAS HUMPHREY ROBERTS, of Bedford Street, Plymouth, Engineer, and BENJAMIN CROCKER CROSS, of Buckingham Place, East Stonehouse, Plymouth, aforesaid, for an invention for—"Improvements in apparatus for retarding and stopping carriages." <i>Letters Patent sealed.</i>
DAVIES. 30th July 1868.	2391. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved process for obtaining heliographic plates for printing."— <i>A communication to him from abroad by Hyacinthe de Font Réaulx and Amédée Barret, both of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
DAVIES. 30th July 1868.	2392. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved pile or portable battery for generating electricity."— <i>A communication to him from abroad by Alfred Charles Garratt, of Boston, Massachusetts, in the United States of America, Doctor of Medicine.</i> <i>Letters Patent sealed.</i>
DUGUID. 30th July 1868.	2393. JOHN DUGUID the younger, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for finishing or dressing flour." <i>Letters Patent sealed.</i>
RAWSTHORN. 30th July 1868.	2394. JOHN RAWSTHORN, of Preston, in the County of Lancaster, Corn Miller, for an invention for—"Improvements in machinery for dressing millstones." <i>Letters Patent sealed.</i>
JOHNSON. 30th July 1868.	2395. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved flame spreader and aerator for gas and other burners."— <i>A communication to him from abroad by Joseph Spangler Machir, of Washington, District of Columbia, United States of America.</i> <i>Provisional protection only.</i>

- PROSSER.**
30th July 1868. **2396.** THOMAS PROSSER, of the City, County, and State of New York, in the United States of America, but now of 62, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in distillation and in the means or apparatus employed therein."
Letters Patent sealed.
- HADDAN.**
30th July 1868. **2397.** JOHN COOPE HADDAN, of No. 39, Vincent Square, in the City of Westminster, Engineer, for an invention for—"Improvements in cannon and in machinery for manufacturing the same."
Provisional protection only.
- GWYNNE.**
GWYNNE.
30th July 1868. **2398.** JOHN GWYNNE, and HENRY ANDERSON GWYNNE, of the Hammersmith Iron Works, Hammersmith, in the County of Middlesex, Engineers, for an invention for—"Improvements in the construction of and mode of employing and driving centrifugal pumps and pumping engines, and in surface condensers to be employed in conjunction therewith, parts of which improvements are applicable to other purposes."
Letters Patent sealed.
- FIDLER.**
30th July 1868. **2399.** THOMAS CLAXTON FIDLER, of Ventnor, Isle of Wight, Civil Engineer, for an invention for—"Improvements in rolling stock of railways."
Letters Patent sealed.
- FOX.**
30th July 1868. **2400.** CHARLES DOUGLAS FOX, of New Street, Spring Gardens, in the County of Middlesex, for an invention for—"Improvements in the manufacture and method of repairing railway rails and other iron of permanent way, and in the machinery to be employed therein."—*A communication to him from abroad by Hugh Baines, resident at the City of Toronto, in the Province of Ontario, in the Dominion of Canada.*
Letters Patent sealed.
- ROYLE.**
31st July 1868. **2401.** WILLIAM THOMAS ROYLE, of Manchester, in the County of Lancaster, Warehouseman, for an invention for—"Improvements in machinery or apparatus for folding or pleating paper for pattern cards, applicable also to folding or pleating woven fabrics."
Letters Patent sealed.
- LEIGH.**
31st July 1868. **2402.** FREDERICK ALLEN LEIGH, of Miles Platting, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in carding-engines."
Letters Patent sealed.
- RATCLIFFE.**
31st July 1868. **2403.** JOSEPH RATCLIFFE, of the Back o'th Bank, Little Bolton, in the County of Lancaster, Power Loom Manager, for an invention for—"Improvements in machinery for increasing the motive-power of steam-engines and all other motive engines."
Letters Patent sealed.
- DAY.**
31st July 1868. **2404.** AUSTIN GOODYEAR DAY, of Seymour, in the State of Connecticut, in the United States of America, India-Rubber Manufacturer, for an invention for—"An improved artificial compound chiefly designed for use as a substitute for india-rubber or caoutchouc."
Letters Patent sealed.
- LACKERSTEEN.**
31st July 1868. **2405.** JAMES FREDERICK LACKERSTEEN, of 117, Cannon Street, in the City of London, Civil Engineer, for an invention for—"Improvements in means or apparatus for the preservation of organic substances."
Letters Patent sealed.
- MACABIES.**
31st July 1868. **2406.** PAUL NARCISSE JOSEPH MACABIES, of Paris, Rue de Flandres, 68, Civil Engineer, for an invention for—"Improvements in water-feeding apparatus for boilers."
Letters Patent sealed.
- SHARPE.**
31st July 1868. **2407.** BENJAMIN SHARPE, of Hanwell Park, in the County of Middlesex, for an invention for—"Improvements in the construction of ships or vessels and batteries, and in the appliances and means for firing and working great guns."
Letters Patent sealed.
- KITTOE.**
BROTHERHOOD.
31st July 1868. **2408.** GEORGE DOMENICUS KITTOE, and PETER BROTHERHOOD, of Compton Street, Clerkenwell, in the County of Middlesex, Engineers, for an invention for—"Improvements in apparatus for cooling, heating or tempering fluids."
Provisional protection only.
- MOULE.**
31st July 1868. **2409.** HENRY MOULE, of Fordington, in the County of Dorset, Master of Arts, for an invention for—"Improvements in fire-places and furnaces, and in the mode of feeding the same with fuel."
Letters Patent sealed.
- DRINHAUS.**
31st July 1868. **2410.** RUDOLPH EUGEN DRINHAUS, of Cecil Street, Strand, in the County of Middlesex, for an invention for—"A new or improved instrument to be used in the treatment of rheumatism and other diseases."—*A communication to him from abroad by Charles Baunscheidt, of Endenich, near Bonn, in the Kingdom of Prussia.*
Provisional protection only.

SYMINGTON. 31st July 1868.	2411. WILLIAM WELDON SYMINGTON, of Chard, in the County of Somerset, Engineer, for an invention for—"Improvements in machinery for cutting up or reducing loaf sugar." <i>Provisional protection only.</i>
LEALE. 31st July 1868.	2412. ANDREAS FRANZ LEALE, of Litchfield Street, Soho, in the County of Middlesex, for an invention for—"Improved apparatus and means for preventing incrustation in steam-boilers and other vessels." <i>Provisional protection only.</i>
MORITZ. REINACH. 31st July 1868.	2413. HERMANN MORITZ, and JACOB REINACH, of Berlin, in the Kingdom of Prussia, Manufacturers, for an invention for—"A new file-planing machine." <i>Letters Patent sealed; specification filed by order.</i>
MORITZ. REINACH. 31st July 1868.	2414. HERMANN MORITZ, and JACOB REINACH, of Berlin, in the Kingdom of Prussia, Manufacturers, for an invention for—"A new file-cutting machine." <i>Letters Patent sealed; specification filed by order.</i>
HARVEY. 31st July 1868.	2415. GEORGE HARVEY, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Certain improvements in holding and attaching cravat bows or fronts to shirt collars, which said improvements are also applicable to the use of ladies, for encompassing or attaching scarfs or kerchiefs or other articles of dress." <i>Provisional protection only.</i>
TAYLOR. 31st July 1868.	2416. ALFRED TAYLOR, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Certain improvements in fastenings for brooches, buckles and other like articles." <i>Provisional protection only.</i>
HEATON. 31st July 1868.	2417. JOHN HEATON, of Langley Mills, in the County of Derby, Engineer, for an invention for—"Improvements in the treatment of cast iron." <i>Letters Patent sealed.</i>
HEATON. 31st July 1868.	2418. JOHN HEATON, of Langley Mills, in the County of Derby, Engineer, for an invention for—"Improvements in the production of steel and other compounds of iron and carbon resembling steel." <i>Letters Patent sealed.</i>
HUNT. 31st July 1868.	2419. THOMAS HUNT, of 19, Godolphin Road, New Road, Hammersmith, in the County of Middlesex, Engineer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
OUTRIDGE. 1st August 1868.	2420. JOSEPH EDLYN OUTRIDGE, of 24, Hearn Street, Newport, Isle of Wight, in the County of Southampton, Engineer, for an invention for—"Improvements in equilibrium slide valves." <i>Letters Patent sealed.</i>
NICHOLSON. 1st August 1868.	2421. CHARLES JOSEPH LINDSAY NICHOLSON, of 20, Threadneedle Street, in the City of London, for an invention for—"Improvements in closing cans, barrels, kegs and other similar receptacles."— <i>A communication to him from abroad by Edward Jenkins, of Ravenswood, Queen's County, State of New York, United States of America.</i> <i>Provisional protection only.</i>
McKEAN. 1st August 1868.	2422. JAMES ASBURY McKEAN, of Paris, in the Empire of France, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery for manufacturing metallic eyelets."— <i>A communication from William Rudolphus Landfear, a person resident at Hartford, Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
SAMUELSON. 1st August 1868.	2423. MARTIN SAMUELSON, of 4, County Buildings, Hull, in the County of York, Consulting Engineer, for an invention for—"Improvements in hydraulic press boxes." <i>Provisional protection only.</i>
WILKIN. CLARK. 1st August 1868.	2424. MARMADUKE WILKIN, of 2, St. James' Terrace, in the Parish of Paddington, County of Middlesex, Gentleman, and JOHN CLARK, of 23, Chippenham Terrace, in the Parish and County, aforesaid, Engineer, for an invention for—"Improvements in steam-boilers and furnaces, in part applicable to surface condensers of marine engines." <i>Letters Patent sealed.</i>
ARNOLD. 1st August 1868.	2425. ALFRED ARNOLD, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improved fastening for buttons, studs, solitaires, brooches and other articles to which such fastening may be applied." <i>Provisional protection only.</i>
GEOGHEGAN. 1st August 1868.	2426. CHARLES GEOGHEGAN, of the City of Dublin, for an invention for—"Improvements in self-acting regulators and in the cocks or taps to the same, for supplying fluids at high pressure, and preventing the bursting of cocks, pipes or taps under ordinary circumstances or from the effects of frost." <i>Letters Patent sealed.</i>

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| <p>WILSON.
1st August 1868.</p> <p>SCOTT.
1st August 1868.</p> <p>ROBINSON.
1st August 1868.</p> <p>PLIMSOLL.
1st August 1868.</p> <p>CROSKY.
1st August 1868.</p> <p>BAILEY.
1st August 1868.</p> <p>SHORE.
1st August 1868.</p> <p>BOUSFIELD.
1st August 1868.</p> <p>RENAUDIN.
3rd August 1868.</p> <p>GARRETT.
HOLCROFT.
3rd August 1868.</p> <p>WILSON.
3rd August 1868.</p> <p>WARD.
3rd August 1868.</p> <p>SPENCE.
4th August 1868.</p> <p>BONNEVILLE.
4th August 1868.</p> <p>BONNEVILLE.
4th August 1868.</p> | <p>2427. GEORGE WILSON, of Lossiemouth, near Elgin, North Britain, Ship Master, for an invention for—"Improvements in ships' logs." <i>Letters Patent sealed.</i></p> <p>2428. JOHN SCOTT, of Sheffield, in the County of York, Coach Proprietor, for an invention for—"Improvements in the preparation of food for horses, cattle and other animals." <i>Letters Patent sealed.</i></p> <p>2429. HENRY OLIVER ROBINSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in dredging machines." <i>Letters Patent sealed.</i></p> <p>2430. SAMUEL PLIMSOLL, of Whitely Wood Hall, Sheffield, in the County of York, Gentleman, for an invention for—"Improvements in the means or apparatus for unloading coals from railway waggons." <i>Letters Patent sealed.</i></p> <p>2431. JOSEPH RODNEY CROSKY, of Cannon Street, in the City of London, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i></p> <p>2432. LUCIUS CURTIS BAILEY, of the Topographical Department, War Office, No. 4, New Street, Spring Gardens, in the County of Middlesex, Staff Commander in H.M. Royal Navy, for an invention for—"Improvements in drawing pens and compasses." <i>Letters Patent sealed.</i></p> <p>2433. GEORGE NATHANIEL SHORE, of Lyme Regis, in the County of Dorset, for an invention for—"Improvements in railway breaks, and in increasing adhesion of the running and driving wheels with the rails of railways." <i>Letters Patent sealed.</i></p> <p>2434. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in bindings for skirts."—<i>A communication to him from abroad by Thomas de Forest, a person resident at Birmingham, Connecticut, in the United States of America.</i> <i>Complete specification; Letters Patent sealed.</i></p> <p>2435. STANISLAS RENÉ RENAUDIN, of No. 7, Chemin des Cordiers, of the City of Strasbourg, in the Department of the Lower Rhine, Empire of France, Merchant, for an invention for—"An improved offensive and defensive war machine." <i>Provisional protection only.</i></p> <p>2436. HENRY WILLIAM GARRETT, Civil Engineer, and GEORGE HOLCROFT, Engineer, both of the City of Manchester, for an invention for—"Certain improvements in breech-loading fire-arms and ordnance." <i>Provisional protection only.</i></p> <p>2437. CHARLES WILSON, of Hull, in the County of York, Shipsmith, for an invention for—"Improvements in apparatus for reefing and furling fore and aft sails." <i>Provisional protection only.</i></p> <p>2438. THOMAS WARD, of New Wortley, in the Borough of Leeds, in the County of York, Schoolmaster, for an invention for—"Improvements in desks for schools." <i>Letters Patent sealed.</i></p> <p>2439. WILLIAM SPENCE, of 8, Quality Court, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the treatment of auriferous, argentiferous and other ores."—<i>A communication to him from abroad by Louis Edouard Rivot, of Paris, in the Empire of France, Professor in the Imperial School of Mines, and Engineer-in-Chief of Mines.</i> <i>Letters Patent sealed.</i></p> <p>2440. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved process of preserving meat, and the apparatus connected therewith."—<i>A communication from Wilhelm Wiesmann, a person resident at Bonn, in the Kingdom of Prussia.</i> <i>Complete specification; Letters Patent sealed.</i></p> <p>2441. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in the process of dyeing textile materials and in the apparatus connected therewith."—<i>A communication from César Corron, a person resident at St. Etienne, in the Empire of France, aforesaid, Dyer.</i> <i>Provisional protection only.</i></p> |
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HOFFMANN. 4th August 1868.	2442. ADAM LEWIS HOFFMANN, of No. 1, Duff Street, East India Road, Poplar, in the County of Middlesex, Master Mariner, for an invention for—"Improvements in yards and parts connected therewith for carrying ships' square sails." <i>Provisional protection only.</i>
SCHOMBURG. 4th August 1868.	2443. RUDOLPH SCHOMBURG, of London Street, in the City of London, for an invention for—"Improvements in apparatus for the manufacture of bricks and other articles moulded or formed from clays and other plastic material." <i>Provisional protection only.</i>
MILLS. 4th August 1868.	2444. BENJAMIN JOSEPH BARNARD MILLS, of the firm of Harris and Mills, of 35, Southampton Buildings, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in harvesting machines."— <i>A communication to him from abroad by George Harding, of Philadelphia, in the United States of America.</i> <i>Letters Patent sealed.</i>
CRETIN. 4th August 1868.	2445. CLAUDE FRANÇOIS CONSTANT CRETIN, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in lamps for burning gases or oils." <i>Provisional protection only.</i>
EVANS. 4th August 1868.	2446. EDWARD EVANS, of Bryn Allyn, near Gresford, in the County of Denbigh, Farmer and Miller, for an invention for—"Improvements in mills for grinding wheat, grain and other substances." <i>Letters Patent sealed.</i>
FRAZER. NAAR. 4th August 1868.	2447. JOSEPH FRAZER, Silk Mercer, and WILLIAM NAAR, Upholsterer, both of Bayswater, in the County of Middlesex, for an invention for—"Improvements in the construction of mattresses and camp beds." <i>Provisional protection only.</i>
NEWTON. 4th August 1868.	2448. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in boot and shoe sewing machinery."— <i>A communication to him from abroad by Michael Joseph Stein, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
KITSON. CHALAS. 4th August 1868.	2449. FREDERICK WILLIAM KITSON, of Leeds, in the County of York, Engineer and Iron Master, and PIERRE CHALAS, of the same place, Engineer, for an invention for—"Improvements in friction clutches for the driving shafts of various kinds of machinery." <i>Letters Patent sealed.</i>
JOHNSON. 4th August 1868.	2450. CUTHBERT GREENWOOD JOHNSON, of Portrack House, Stockton-on-Tees, Engineer, for an invention for—"Improvements in machinery for making bricks and other moulded blocks." <i>Letters Patent sealed.</i>
HAMILTON. 5th August 1868.	2451. JOHN HAMILTON, of Dordrecht, in the Kingdom of Holland, but at present residing at 54, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Provisional protection only.</i>
OSWALD. 5th August 1868.	2452. THOMAS RIDLEY OSWALD, of Pallion High Yard, Sunderland, in the County of Durham, for an invention for—"Improvements in the construction of ships or vessels of war." <i>Provisional protection only.</i>
NEWTON. 5th August 1868.	2453. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of iron and steel."— <i>A communication to him from abroad by Lorenzo Sibert, of Mount Solon, Daniel Charles Elliott Brady, of Buffalo Forge, and John Daniel Imboden and Seth Maxwell Barton, both of Richmond, all in the State of Virginia, United States of America.</i> <i>Letters Patent sealed.</i>
SPARTALI. 5th August 1868.	2454. NICHOLAS DEMETRIUS SPARTALI, of Liverpool, in the County of Lancaster, Steam Ship Agent, for an invention for—"An improved mode of and apparatus for propelling vessels through the water." <i>Provisional protection only.</i>
MILLARD. 6th August 1868.	2455. WILLIAM MILLARD, of Trowbridge, in the County of Wilts, Engineer, for an invention for—"Improvements in looms." <i>Letters Patent sealed.</i>
CHURCHMAN. 6th August 1868.	2456. HENRY CHURCHMAN, of Horsham, in the County of Sussex, for an invention for—"Improvements in apparatus for cleaning boots and shoes." <i>Letters Patent sealed.</i>
EDWARDS. 6th August 1868.	2457. EDMUND EDWARDS, of 22, Buckingham Street, Adelphi, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in pumps." <i>Letters Patent sealed.</i>

- BENSON.
6th August 1868. 2458. MARTIN BENSON, of 14, Hinde Street, Manchester Square, in the County of Middlesex, for an invention for—"Improvements in low-water indicators and safety valves for steam-boilers."—*A communication to him from abroad by Charles Burley, of Cincinnati, Ohio, United States of North America. Letters Patent sealed.*
- PRICE.
6th August 1868. 2459. LEWIS PRICE, of the firm of Reed and Price, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in spring slides for candlesticks." *Provisional protection only.*
- PEARSON.
SPURR.
BRADBURY.
6th August 1868. 2460. WILLIAM PEARSON, and WILLIAM SPURR, of Birstal, in the County of York, Engineers, Millwrights and Machine Makers, and HERVEY BRADBURY, of the same place, Loom Tuner, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- HARGREAVES.
6th August 1868. 2461. JAMES HARGREAVES, of Darlington, in the County of Durham, Analytical Chemist, for an invention for—"Improvements in the manufacture of steel and iron, and in the preparation of materials and agents, and in apparatus to be employed therein." *Letters Patent sealed.*
- FREUTEL.
ZOX.
6th August 1868. 2462. HENRY FREDERICK FREUTEL, of Kingsland Road, in the County of Middlesex, and HENRY ZOX, of Nelson Square, Blackfriars, in the County of Surrey, Hat and Cap Manufacturer, for an invention for—"Improvements in the manufacture of hats and caps and other coverings for the head." *Provisional protection only.*
- CLARK.
6th August 1868. 2463. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in scissors."—*A communication to him from abroad by Jacques Frédéric Paul, Gentleman, of 13, Boulevard St. Martin, Paris. Letters Patent sealed.*
- HANN.
HANN.
6th August 1868. 2464. WILLIAM HANN, and EDMUND MILLS HANN, of Hetton Colliery, near Fence Houses, in the County of Durham, for an invention for—"Improvements in safety lamps." *Letters Patent sealed.*
- LAKE.
6th August 1868. 2465. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in felted fabrics."—*A communication to him from abroad by Henry Hayward, of the City and County of New York and State of New York, in the United States of America. Complete specification: Letters Patent sealed.*
- NEWTON.
6th August 1868. 2466. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of boots and shoes."—*A communication to him from abroad by John Morrison Hunter, of Morristown, in the State of New Jersey, United States of America. Letters Patent sealed.*
- MOORE.
6th August 1868. 2467. WILLOUGHBY MONTGOMERY MOORE, of Balscadden, Howth, in the County of Dublin, Esquire, for an invention for—"Improvements in invoice and other paper holders." *Letters Patent sealed.*
- STAPLETON.
7th August 1868. 2468. THOMAS WESNEY STAPLETON, of Regent Street, in the County of Middlesex, Wine Merchant, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Pierre Achille Gauthrin and Auguste Pierre Guyot, both of Bordeaux, in the Empire of France. Provisional protection only.*
- CURTIS.
FIDDES.
7th August 1868. 2469. CHARLES JOHN CURTIS, and AUGUSTINE FIDDES, both of the City and County of Bristol, for an invention for—"Improvements in safes and strong rooms." *Letters Patent sealed.*
- MADDICK.
7th August 1868. 2470. GEORGE WILLIAM MADDICK, of 313, Camden Road, Holloway, in the County of Middlesex, for an invention for—"Improvements in combining forks and spoons." *Provisional protection only.*
- HUNT.
7th August 1868. 2471. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in india-rubber fabrics."—*A communication to him from abroad by John Haskins, of Boston, Massachusetts, in the United States of America. Letters Patent sealed.*

WHITEHEAD. 7th August 1868.	2472. JOHN WHITEHEAD, of Manchester, in the County of Lancaster, for an invention for—"Improvements in dandy rollers used in the manufacture of paper." <i>Letters Patent sealed.</i>
SALAMON. 7th August 1868.	2473. NAHUM SALAMON, of Ludgate Hill, in the City of London, Sewing-Machine Factor, for an invention for—"Improvements in sewing-machines."— <i>A communication to him from abroad by Benjamin Porter Howe, of the City of New York, in the United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
BENJAMIN. 7th August 1868.	2474. HENRY BENJAMIN, of Abbey Road, in the County of Middlesex, for an invention for—"A new or improved washing-machine." <i>Letters Patent sealed.</i>
LITCHFIELD. 7th August 1868.	2475. JOSEPH LITCHFIELD, of Southey Street, Nottingham, for an invention for—"Improvements in the manufacture of lace fabrics and in apparatus employed therein." <i>Letters Patent sealed; no specification filed.</i>
NEWTON. 7th August 1868.	2476. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus or mechanism for regulating the speed or power of machinery."— <i>A communication to him from abroad by Marie Joseph Denis Farcot, Jean Joseph Leon Farcot, Michel Basile Abel Farcot and Joseph Etienne Eloi Chateau, members of the firm of Farcot and Sons, of St. Ouen, in the Empire of France.</i> <i>Letters Patent sealed.</i>
LEACH. 7th August 1868.	2477. GEORGE LEACH, of Leeds, in the County of York, Manufacturer, for an invention for—"Improvements in machinery for carding wool and other fibrous substances, and in the mode of and apparatus for forming bats or slivers." <i>Letters Patent sealed.</i>
NEWTON. 7th August 1868.	2478. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in fire-arms."— <i>A communication to him from abroad by William Gardner, of Toledo, in the State of Ohio, United States of America.</i> <i>Letters Patent sealed.</i>
ARNOLD. 7th August 1868.	2479. JOHN ARNOLD, of Sheffield, in the County of York, Engineer and Boiler Maker, for an invention for—"Improvements in the construction of steam-boilers." <i>Provisional protection only.</i>
GARDNER. 8th August 1868.	2480. SANKEY GARDNER, of Eaglesbush Foundry, Neath, in the County of Glamorgan, Ironfounder, for an invention for—"A new or improved annealing pot and stand." <i>Letters Patent sealed.</i>
BROADFOOT. 8th August 1868.	2481. JOHN BROADFOOT, of Glasgow, in the County of Lanark, North Britain, Plumber and Brassfounder, for an invention for—"Improvements in waterclosets." <i>Letters Patent sealed.</i>
HUNT. 8th August 1868.	2482. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in blind furniture."— <i>A communication to him from abroad by Madame Anais Vion, of Paris.</i> <i>Provisional protection only.</i>
KIRK. BATSTONE. 8th August 1868.	2483. JOHN KIRK, of Woolwich, in the County of Kent, Contractor, and JOHN BATSTONE, of the City of Westminster, Surveyor, for an invention for—"An improved shield for the purpose of protecting fortifications, vessels and other structures or buildings, against projectiles or other missiles of war." <i>Letters Patent sealed.</i>
STANDEN. 8th August 1868.	2484. JAMES STANDEN, of Blackman Street, Borough, in the County of Surrey, for an invention for—"Improvements in the construction of multitubular boilers." <i>Provisional protection only.</i>
NEWTON. 8th August 1868.	2485. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of steam-engine governor."— <i>A communication to him from abroad by Edwin Louis Bomeisler, of Philadelphia, Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
NEWTON. 8th August 1868.	2486. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in screws and screw drivers."— <i>A communication to him from abroad by Peter Nelson Jacobus, of Flatbrookville, in the State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>

- NICKOLS.**
8th August 1868. **2487. DANIEL NICKOLS**, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in cocks or taps."
Provisional protection only.
- DÜBS.**
8th August 1868. **2488. HENRY DÜBS**, of the City of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"A steam crane and locomotive engine combined."
Complete specification; Letters Patent sealed.
- WALTON.**
8th August 1868. **2489. FREDERICK WALTON**, of Staines, in the County of Middlesex, for an invention for—"Improvements in the treatment of resins or resinous gums, and in the application of the products obtained therefrom."
Letters Patent sealed.
- HIRD.**
8th August 1868. **2490. JAMES HIRD**, of the City and County of Bristol, for an invention for—"Improvements in the means of and apparatus for obtaining and applying motive-power."
Provisional protection only.
- KENYON.**
10th August 1868. **2491. THOMAS KENYON the younger**, of Miles Platting, near Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of sulphuric acid."
Provisional protection not allowed.
- LE ROY.**
10th August 1868. **2492. FERDINAND LE ROY**, of the Commercial Road, in the County of Middlesex, Manufacturer, for an invention for—"An improved non-conducting composition for preventing the radiation or transmission of heat or cold, and an improved method of applying the same."
Letters Patent sealed.
- CORFIELD.**
10th August 1868. **2493. THOMAS CORFIELD**, of Falmouth, in the County of Cornwall, Auctioneer, for an invention for—"Improvements in the manufacture of paper bags and in the means of closing or fastening the same."—*A communication to him from abroad by Joseph Rapson, of New Bedford, in the United States of America.*
Provisional protection only.
- HUNT.**
10th August 1868. **2494. BRISTOW HUNT**, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"An improved machine for making eyelets."—*A communication to him from abroad by James M. Osgood, of Somerville, in the County of Middlesex, and State of Massachusetts, in the United States of America.*
Provisional protection only.
- HELLWAG.**
10th August 1868. **2495. BERNHARD HELLWAG**, presently residing in Greenock, in the County of Renfrew, North Britain, Chief Engineer of the Hamburg and American Steam Ship Company, for an invention for—"A new or improved system or mode of telegraphing on board of steam ships, and in the means or apparatus employed therefor, also applicable for other vessels and purposes."
Provisional protection only.
- HUGHES.**
10th August 1868. **2496. WALTER WATSON HUGHES**, of 48, Porchester Terrace, in the County of Middlesex, for an invention for—"Improvements in fans or apparatus for forcing or drawing air."
Letters Patent sealed; no specification filed.
- NEWTON.**
10th August 1868. **2497. ALFRED VINCENT NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in automatic indicators for steam-boilers."—*A communication to him from abroad by Edwin Louis Bomeisler, of Philadelphia, Pennsylvania, United States of America.*
Letters Patent sealed.
- FRUWIRTH.**
HAWKINS.
10th August 1868. **2498. DANIEL FRUWIRTH**, of Norwood, in the County of Surrey, Artist, and **ABDIEL HAWKINS**, of Camberwell, in the same County, Glyphographer, for an invention for—"An improved process for producing raised printing surfaces."
Letters Patent sealed.
- ROBINSON.**
11th August 1868. **2499. ROBERT ROBINSON**, of Preston, in the County of Lancaster, Engineer and Tool Maker, for an invention for—"Improved apparatus for regulating, controlling and for varying the speed of shafts and machinery."
Provisional protection only.
- HUNT.**
11th August 1868. **2500. WILLIAM HENRY HUNT**, of Liverpool, in the County of Lancaster, Willow Merchant and Basket Manufacturer, for an invention for—"Improvements in that class of market baskets known as Southport baskets."
Provisional protection only.
- BROWN.**
11th August 1868. **2501. JEREMIAH BROWN**, of South Stockton, in the County of York, Machinist, for an invention for—"Improvements in rolling iron and steel, and in machinery connected therewith."
Letters Patent sealed.

CLARK. 11th August 1868.	2502. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in propelling vessels and in apparatus for the same, also applicable for other purposes."— <i>A communication to him from abroad by Alexandre Hédiard, Civil Engineer, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
SALMON. 11th August 1868.	2503. JAMES SALMON, of Manchester, in the County of Lancaster, Printers' Engineer, for an invention for—"Improvements in printing machinery." <i>Letters Patent sealed.</i>
MOORE. MOORE. MOORE. 11th August 1868.	2504. HENRY MOORE, THOMAS MOORE, and GEORGE MOORE, trading as Moore Brothers, of Aston, near Birmingham, in the County of Warwick, Brass-founders, for an invention for—"Improvements in the manufacture of window and other cornices, poles and rods for internal or house decorations." <i>Provisional protection only.</i>
GRAY. HAWKINS. 11th August 1868.	2505. MATTHEW GRAY, of Highbury Hill, in the County of Middlesex, Engineer, and FREDERICK HAWKINS, of Silvertown, in the County of Essex, Electrician, for an invention for—"Improvements in the mode of and apparatus used in manufacturing telegraphic insulated wires and cables." <i>Letters Patent sealed.</i>
JOHNSON. 11th August 1868.	2506. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by Jean Baptiste Antoine Maurize, of Tours, in the Empire of France, Ex-Architect to the Imperial Government, for the Central Railways of France.</i> <i>Letters Patent sealed.</i>
ARGAMAKOFF. 11th August 1868.	2507. ALEXANDER ARGAMAKOFF, of St. Petersburg, in the Empire of Russia, at present residing at Stockwell Green, in the County of Surrey, for an invention for—"Improvements in the production by means of photography, of printing surfaces adapted to lithography, typography and chromotype."— <i>The result partly of a communication made to him from abroad by Basile Bauler, of St. Petersburg, aforesaid, and partly of his own invention.</i> <i>Letters Patent sealed.</i>
McFARLANE. 11th August 1868.	2508. JOHN McFARLANE, of Edinburgh, Scotland, Wire Cloth Manufacturer, for an invention for—"Improvements in rollers for paper-making machines." <i>Letters Patent sealed and specification filed by order.</i>
CROSKEY. 11th August 1868.	2509. JOSEPH RODNEY CROSKEY, of Cannon Street, in the City of London, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
HEADLY. 12th August 1868.	2510. EDWARD PAGET GILLAM HEADLY, of the firm of E. Headly and Son, of Cambridge, in the County of Cambridge, Agricultural Implement Makers, for an invention for—"An improved hydraulic apparatus for watering streets, roads, gardens and other places, extinguishing fires, attaching to fire-engines and other similar or analogous purposes." <i>Letters Patent sealed.</i>
HILL. RICHARDSON. DUCK. JOHNSON. MASTERMAN. 12th August 1868.	2511. DAVID HILL, of Stockton-on-Tees, in the County of Durham, JOSEPH RICHARDSON, of Stockton-on-Tees, aforesaid, GEORGE NIXON DUCK, of Coatham, near Redcar, in the County of York, CUTHBERT GREENWOOD JOHNSON, of Stockton-on-Tees, aforesaid, and WILLIAM FAIRLES MASTERMAN, of Aislaby Hall, near Whitby, in the County of York, aforesaid, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
WINSBORROW. 12th August 1868.	2512. JOHN WINSBORROW, of 10, Livermere Place, Livermere Road, Dalston, in the County of Middlesex, for an invention for—"Improvements in apparatus for measuring water and other liquids, which improvements are also applicable in obtaining motive-power." <i>Letters Patent sealed.</i>
PENDLEBURY. PENDLEBURY. 12th August 1868.	2513. JOHN TOMLINSON PENDLEBURY, of Bury, in the County of Lancaster, Machinist, and THOMAS PENDLEBURY, of the same place, Foreman, for an invention for—"An improved valve motion applicable to direct-action steam pumps and similar purposes." <i>Provisional protection only.</i>
THOMPSON. 12th August 1868.	2514. JAMES THOMPSON, of Handsworth, in the County of Stafford, for an invention for—"Improvements in reducing and utilizing certain descriptions of scrap homogeneous iron or steel." <i>Provisional protection only.</i>

BROAD. 12th August 1868.	2515. JOSEPH BROAD, of Arthur Street West, in the City of London, Gentleman, for an invention for—"Improvements in machinery, apparatus and process in the treatment of carboniferous plants and other fibrous material, for the manufacture of paper, cardboard and other similar articles." <i>Provisional protection only.</i>
HENSON. 12th August 1868.	2516. HENRY HENSON HENSON, of No. 13, Parliament Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in metallic ropes." <i>Letters Patent sealed.</i>
SEITZ. 12th August 1868.	2517. CARL DIETRICH JULIUS SEITZ, of Bury, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the construction of furnaces for the recovery of the soda from the waste lyes resulting from the boiling of esparto grass or straw, in the working and incinerating of the residue resulting from evaporation, and in an improved means of depriving it of any offensive odour." <i>Letters Patent sealed; no specification filed.</i>
WILSON. 12th August 1868.	2518. JAMES WILSON, of Salford, in the County of Lancaster, for an invention for—"Improvements in outside blinds or sun shades for windows." <i>Letters Patent sealed.</i>
SOUTHALL. HALLAM. 12th August 1868.	2519. RICHARD HODGSON SOUTHALL, and WILLIAM HALLAN, both of Manchester, in the County of Lancaster, Boot and Shoe Manufacturers, for an invention for—"A new or improved method of and apparatus for protecting the side springs or elastics of boots and shoes." <i>Letters Patent sealed.</i>
DEWHURST. DEWHURST. DEWHURST. 12th August 1868.	2520. HENRY DEWHURST, JOHN WILLIAM DEWHURST, and ROBERT ELLIS DEWHURST, members of the firm of "Richard Dewhurst and Company," of the Aspley Print Works, near Huddersfield, in the County of York, Woollen and Stuff Printers, for an invention for—"An improved process of ornamenting seal-skin cloths." <i>Letters Patent sealed.</i>
LUNN. 12th August 1868.	2521. HENRY LUNN, of Horncastle, in the County of Lincoln, Merchant, for an invention for—"Improvements in postal sample bags or envelopes." <i>Provisional protection only.</i>
CLEAVER. 12th August 1868.	2522. JOSEPH CLEAVER, of Leen Side, Nottingham, for an invention for—"Improvements in ornamenting bobbin net lace and other fabrics." <i>Provisional protection only.</i>
RAPIER. 12th August 1868.	2523. RICHARD CHRISTOPHER RAPIER, of 17, Victoria Street, Westminster, for an invention for—"Improvements in electric clocks and in apparatus connected therewith." <i>Provisional protection only.</i>
WALKER. 12th August 1868.	2524. HENRY BURTON WALKER, of 21, Sawrey Place, Bradford, in the County of York, Woolstapler, for an invention for—"Improvements in extracting burs from wool." <i>Provisional protection only.</i>
PAYNE. 12th August 1868.	2525. WILLIAM PAYNE, of Balham, in the County of Surrey, for an invention for—"Improvements in steam cocks or valves, also applicable for hot or cold water." <i>Letters Patent sealed.</i>
BUCHHOLZ. 12th August 1868.	2526. GUSTAV ADOLPH BUCHHOLZ, of Shepherd's Bush, in the County of Middlesex, Gentleman, for an invention for—"Improved machinery for hulling grain." <i>Letters Patent sealed.</i>
PETRIE. 12th August 1868.	2527. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for washing wool and other fibrous materials." <i>Provisional protection only.</i>
NEWTON. 12th August 1868.	2528. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in photographic frames and mechanism for making same."— <i>A communication to him from abroad by Garret Peter Bergen and Charles Thomas Bainbridge, both of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
SIM. 12th August 1868.	2529. ROBERT SIM, M.D., of Naples, for an invention for—"Improvements in compositions for preventing the fouling of ships' bottoms and other buildings exposed to the action of sea or impure water." <i>Letters Patent sealed.</i>
BARNETT. 13th August 1868.	2530. FREDERIC BARNETT, of No. 164, Rue de Rivoli, in the City of Paris, in the Empire of France, Merchant, for an invention for—"An improved apparatus for swimming." <i>Complete specification; Letters Patent sealed.</i>

THOROLD. 13th August 1868.	2531. WILLIAM THOROLD, of Norwich, in the County of Norfolk, Civil Engineer, for an invention for—"A new or improved system of railways and rolling stock therefor, and the arrangement of electric telegraph line wires in connection therewith." <i>Provisional protection only.</i>
SAUNDERS. 13th August 1868.	2532. ROBERT SAUNDERS, of Croydon, in the County of Surrey, for an invention for—"Improvements in anchors and appliances to the same, also applicable to other tackling liable to sudden strains." <i>Letters Patent sealed.</i>
GRANT. 13th August 1868.	2533. JOHN GRANT, of Eton House, John Street, Hampstead, in the County of Middlesex, Farmer, for an invention for—"Improvements in machinery for turning over the leaves of music books or pieces of music, applicable to music stands, pianofortes, organs and some other kinds of musical instruments." <i>Letters Patent sealed.</i>
MILBANK. 13th August 1868.	2534. ISAAC MORRIS MILBANK, of Greenfield Hill, in the State of Connecticut, United States of America, for an invention for—"Improvements in breech-loading fire-arms and cartridges." <i>Letters Patent sealed.</i>
INGHAM. 13th August 1868.	2535. BENJAMIN INGHAM, of Bradford, in the County of York, Dyer, for an invention for—"Improved means of dyeing warps of worsted, cotton, silk or other fibrous substances." <i>Provisional protection only.</i>
STEFFANSON. HADLEY. 13th August 1868.	2536. HÅKAN STEFFANSON, of Brompton, in the County of Middlesex, Engineer, and JONAH HADLEY, of the City Flour Mills, Upper Thames Street, in the City of London, for an invention for—"Improved machinery for decorticating grain." <i>Letters Patent sealed.</i>
HOLDING. 13th August 1868.	2537. JOSEPH HOLDING, of Wheelton, in the County of Lancaster, Overlooker, for an invention for—"Improvements in the 'healds' or 'harness' employed in looms for weaving." <i>Provisional protection only.</i>
LISTER. 13th August 1868.	2538. SAMUEL CUNLIFFE LISTER, of Manningham, in the County of York, for an invention for—"Improvements in machinery for combing wool, silk and other fibre." <i>Provisional protection only.</i>
CRAMPTON. 13th August 1868.	2539. THOMAS RUSSELL CRAMPTON, of Great George Street, Westminster, for an invention for—"Improvements in grinding coal, in preparing coal for burning, in supplying it to furnaces, and in burning powdered coal, also in apparatus to be used for these purposes." <i>Letters Patent sealed.</i>
YORK. 13th August 1868.	2540. HENRY KINNAIRD YORK, of the Grange Town Iron Works, Cardiff, for an invention for—"Improvements in treating cast iron and other metals, and in apparatus employed therein." <i>Letters Patent sealed.</i>
BINKO. 14th August 1868.	2541. HENRY BOCK BINKO, of Kingsland, in the County of Middlesex, Chemist, for an invention for—"Improvements in the treatment and preparation of indigo for laundry and other like purposes." <i>Provisional protection only.</i>
SHAEN. 14th August 1868.	2542. WILLIAM SHAEN, of Number 8, Bedford Row, Holborn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of explosive compounds."— <i>A communication made to him by a certain person residing abroad, that is to say, Johann Friedrich Eduard Schultze, of Potsdam, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
EVOTTE. 14th August 1868.	2543. CHARLES EVOTTE, of No. 31, Rue Riquet, Paris, in the Empire of France, Practical Engineer, for an invention for—"A portable machine for turning, dividing and cutting wooden cogs of cog wheels of all descriptions and sizes, either in building shops or manufactories, when such wheels require to be supplied with fresh cogs." <i>Letters Patent sealed.</i>
NELSON. 14th August 1868.	2544. GEORGE NELSON, of Leeds, in the County of York, Ironfounder, for an invention for—"Improved apparatus and means for disinfecting clothing, bedding, furniture, upholstery and articles of like nature." <i>Letters Patent sealed.</i>
THOMPSON. 14th August 1868.	2545. JACOB BAYNES THOMPSON, of Horton, near Slough, in the County of Bucks, for an invention for—"Improvements in coating iron and steel with gold, silver and copper, and in apparatus for carrying out the same." <i>Letters Patent sealed.</i>

- NEWTON.
14th August 1868.
2546. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements applicable to machinery for combing silk and other fibrous substances."—*A communication to him from abroad by Louis Warnery, of Paris, in the Empire of France.*
Provisional protection only.
- MACINTOSH.
15th August 1868.
2547. JOHN MACINTOSH, of North Bank, Regent's Park, London, in the County of Middlesex, for an invention for—"Improvements in submarine telegraphy."
Letters Patent sealed.
- ABEL.
15th August 1868.
2548. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the production of brown colouring matters for dyeing and printing."—*A communication to him from abroad by Jules Gabriel Alfred Gros, Manufacturing Chemist, of Mulhouse, Haut Rhin, in the Empire of France.*
Provisional protection only.
- FLETCHER.
FLETCHER.
FLETCHER.
15th August 1868.
2549. JOHN FLETCHER, senior, JOHN FLETCHER, junior, and WILLIAM FLETCHER, of the firm of John Fletcher and Sons, of the Eagle Foundry, Salford, in the County of Lancaster, for an invention for—"Improvements in machinery for grinding sand and other substances."
Letters Patent sealed.
- HICKISSON.
15th August 1868.
2550. JAMES HICKISSON, of No. 75, Southgate Road, in the County of Middlesex, for an invention for—"An improved pencil for marking on linen and other fabrics."
Provisional protection only.
- ROBINSON.
EDMESTON.
15th August 1868.
2551. ROBERT ROBINSON, Engineer and Tool Maker, and GRAY DENISON EDMESTON, Foreman, both of Preston, in the County of Lancaster, for an invention for—"Improvements in or applicable to lathes, and in mechanism for varying rotating speeds, applicable to other tools, machines and shafting."
Letters Patent sealed.
- LEAK.
LEAK.
15th August 1868.
2552. ALFRED JOHN LEAK, of King Street, Hanley, in the County of Stafford, and ELIAS LEAK, of Longton, in the County of Stafford, for an invention for—"Improvements in the mode of and means or apparatus for driving or actuating machinery or apparatus employed in the manufacture of pottery and other like articles."
Provisional protection only.
- REISSMANN.
15th August 1868.
2553. HENRY REISSMANN, of Watling Street, in the City of London, Merchant, for an invention for—"A new or improved apparatus or fountain for dispersing or throwing liquids."—*A communication to him from abroad by Friedrich Wilhelm Bossert, of Offenbach on the Maine, Germany.*
Provisional protection only.
- SCOTT.
15th August 1868.
2554. HENRY YOUNG DARRACOTT SCOTT, of Ealing, in the County of Middlesex, Lieutenant Colonel in the Royal Engineers, for an invention for—"Improvements in pottery and other kilns."
Letters Patent sealed.
- MOHR.
SMITH.
15th August 1868.
2555. CHARLES MOHR, and SAMUEL EDMONDS SMITH, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in the manufacture of cages, baskets, guards and other articles of wire work."
Provisional protection only.
- CLARK.
15th August 1868.
2556. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of size."—*A communication to him from abroad by Thomas Gray, Paper Pulp Bleacher, of 13, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- DEARLE.
BROWN.
15th August 1868.
2557. JOHN HALES DEARLE, of No. 27, Beacon Hill, Camden Road, and THOMAS BROWN, of No. 165, Piccadilly, both in the County of Middlesex, for an invention for—"Improvements in tents."
Letters Patent sealed.
- ESPEUT.
15th August 1868.
2558. WILLIAM BANCROFT ESPEUT, of the Retreat, in the Parish of Saint Andrew, in the Island of Jamaica, at present residing at No. 14, Southwick Street, Hyde Park, for an invention for—"Improvements in curing, drying and extracting molasses or liquid from sugar and other substances, and in apparatus employed therein."
Letters Patent sealed.
- HINDE.
17th August 1868.
2559. WILLIAM JOHN HINDE, of the Parish of Burwash, in the County of Sussex, for an invention for—"Improved means or apparatus for holding candles in the sockets of candlesticks, and raising and burning the ends out."
Letters Patent sealed.
- SMITH.
17th August 1868.
2560. ALEXANDER SMITH, of Glasgow, in the County of Lanark, North Britain, Merchant, for an invention for—"Improvements in the manufacture of sugar and in apparatus therefor."—*A communication to him from abroad by Robert Smith, residing at Demerara.*
Letters Patent sealed.

BEANES. 17th August 1868.	2561. EDWARD BEANES, of Cordwalles, near Maidenhead, in the County of Berks, for an invention for—"Improvements in the manufacture of brewers' finings." <i>Provisional protection only.</i>
HUNT. 17th August 1868.	2562. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the mode of decomposing the sulphurets of iron contained in ores, coal, coke and other mineral products, and in apparatus therefor."— <i>A communication to him from abroad by Edmond Grandidier and Marcel Rue, of Paris, France.</i> <i>Letters Patent sealed.</i>
STOCKMAN. 17th August 1868.	2563. BENJAMIN PRYOR STOCKMAN, of 23, Abingdon Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in water meters." <i>Provisional protection only.</i>
NEWTON. 17th August 1868.	2564. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved instrument to be used as a fog alarm and to produce audible signals."— <i>A communication to him from abroad by John Reinhold Anderson, of Brooklyn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PALMER. 17th August 1868.	2565. JOSEPH PALMER, of Concord, in the County of Merrimack and State of New Hampshire, United States of America, for an invention for—"Improvements in the manufacture of elliptic springs for carriages and other vehicles." <i>Letters Patent sealed.</i>
EDWARDS. 17th August 1868.	2566. WILLIAM EDWARDS, of Redditch, in the County of Worcester, Shoe Manufacturer, for an invention for—"Improvements in sewing-machine needles." <i>Provisional protection only.</i>
JOHNSON. 17th August 1868.	2567. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for cleaving grain."— <i>A communication to him from abroad by Simon Howes and Alphas Babcock, of Silver Creek, State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BRADBURY. CHADWICK. 17th August 1868.	2568. GEORGE FRANCIS BRADBURY, and THOMAS CHADWICK, of the firm Bradbury and Company, Oldham, in the County of Lancaster, Sewing-Machine Manufacturers, for an invention for—"Improvements in sewing-machines."— <i>Partly a communication to them from abroad by Auguste Serveau, of Brussels, Belgium, and partly their own invention.</i> <i>Letters Patent sealed.</i>
CORBITT. 17th August 1868.	2569. WILLIAM CORBITT, of Masbro' Works, Rotherham, in the County of York, Stove, Grate and Fender Manufacturer, for an invention for—"Improvements in decorating the surfaces of stoves, grates, fenders and fire-irons." <i>Letters Patent sealed.</i>
SIMPSON. SIMPSON. SIMPSON. SIMPSON. 17th August 1868.	2570. CHARLES JOHN SIMPSON, WALTER SIMPSON, ARTHUR SIMPSON, and FREDERIC SIMPSON, all of Preston, in the County of Lancaster, Cotton Spinners and Manufacturers, for an invention for—"Improvements in machinery or apparatus for sizing and drying yarns for weaving." <i>Letters Patent sealed.</i>
ALBINI. VAGLICA. 17th August 1868.	2571. AUGUSTO ALBINI, Captain in the Royal Italian Navy, and JOSEPH VAGLICA, both of Broad Street, in the City of London, for an invention for—"Improvements in electro-magnets." <i>Provisional protection only.</i>
BEHRENS. DART. 17th August 1868.	2572. HENRY JOHN BEHRENS, and EDWARD DART, of 2, Rue Ste. Appoline, Paris (Empire of France), Gentleman, for an invention for—"Improvements in machinery for obtaining motive-power, parts of which improvements are also applicable for other purposes." <i>Letters Patent sealed.</i>
PHILLIPS. 17th August 1868.	2573. JOHN PHILLIPS, of No. 197, Adelaide Road, South Hampstead, in the County of Middlesex, for an invention for—"Improvements in stoves and fire-places." <i>Provisional protection only.</i>
BRIGGS. 18th August 1868.	2574. JOHN BRIGGS, of 93, Downham Road, Kingsland Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for cutting shives, bungs, corks, spiles and vent or other pegs." <i>Letters Patent sealed.</i>

- TONGUE.**
18th August 1868. 2575. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in mills for grinding."—*A communication to him from abroad by Charles Umfrid, at present residing in Paris, in the Empire of France.*
Letters Patent sealed.
- FITZ-GERALD.**
18th August 1868. 2576. DESMOND GERALD FITZ-GERALD, of Battersea, in the County of Middlesex, Electrician, for an invention for—"A new or improved mode of constructing electric telegraphs and voltaic batteries."
Provisional protection only.
- STARNES.**
18th August 1868. 2577. JOHN SAMPSON STARNES, of No. 13, Broad Street, Ratcliff, in the County of Middlesex, Lamp Manufacturer, for an invention for—"Improvements in ships' signal lamps."
Letters Patent sealed.
- HODGE.**
18th August 1868. 2578. PAUL RAPSEY HODGE, of No. 10, Adam Street, Adelphi, in the Parish of St. Martin's-in-the-Fields, in the County of Middlesex, Civil Engineer, and WILLIAM HODGE, of Fowey, in the County of Cornwall, Mineralogist, for an invention for—"Improvements in the manufacture of black or brown pigments to be used in the manufacture of paints or printing ink, and in the treatment and preparation of certain natural products used in the manufacture of such pigments."
Letters Patent sealed.
- FRASER.**
18th August 1868. 2579. DOUGLAS FRASER, of Arbroath, in the County of Forfar, North Britain, Manufacturer, for an invention for—"Improvements in softening, preparing and spinning flax and similar fibrous materials, and finishing yarns made thereof, and in apparatus therefor."
Letters Patent sealed and specification filed by order.
- LANDLESS.**
18th August 1868. 2580. JAMES LANDLESS, of Manchester, in the County of Lancaster, Mechanical Engineer, for an invention for—"Certain improvements in boilers or generators for steam, which are also applicable for other heating purposes."
Letters Patent sealed.
- LEDGER.**
18th August 1868. 2581. EDWARD LEDGER, of No. 5, Edwards Terrace, Commercial Road, Peckham, in the County of Surrey, Gentleman, for an invention for—"Improvements in machinery for obtaining motive and mechanical hydraulic power."
Provisional protection only.
- GAY.**
18th August 1868. 2582. LOUIS GAY, of the firm of Louis Gay and Company, of Reims, in the Empire of France, Manufacturers, for an invention for—"Improvements in machinery for washing wool and other fibrous materials."
Letters Patent sealed.
- THOMSON.**
18th August 1868. 2583. WILLIAM THOMSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in tools or apparatus for expanding and cutting tubes and metallic rings, part of which improvements is applicable for withdrawing ferrules from the ends of boiler tubes."
Letters Patent sealed.
- DEANE.**
19th August 1868. 2584. EDWARD DEANE, of No. 1, Arthur St. East, London Bridge, in the City of London, for an invention for—"A new and improved stove and cooking apparatus by which a saving of fuel is effected."
Provisional protection NOT allowed.
- NEUMANN.**
19th August 1868. 2585. JULIUS NEUMANN, of No. 2, Bedford Street, Bedford Square, London, Merchant, at present residing No. 4, Sibour Street, Paris, in the Empire of France, for an invention for—"Improvements in apparatus for generating and purifying coal lighting gas, the said apparatus being adapted to household or domestic use, the gasholder automatically regulated, and the surplus gas produced used as fuel."
Provisional protection only.
- ATTERBURY.**
19th August 1868. 2586. JOHN HENRY ATTERBURY, of Ferrybridge, in the County of York, Engineer, for an invention for—"Improved machinery and means in connection therewith to be used in the manufacture of earthenware and other articles made from plastic materials."
Letters Patent sealed.
- NORBURY.**
19th August 1868. 2587. JOHN NORBURY, and JOHN SHAW, both of Salford, in the County of Lancaster, Steam and Hydraulic Engineers, for an invention for—"Improvements in force pumps employed in connection with hydraulic presses for packing or pressing, or the like uses."
Provisional protection only.
- BRABY.**
19th August 1868. 2588. FREDERICK BRABY, of Camberwell, in the County of Surrey, for an invention for—"Improvements in treating and utilizing waste sulphate of iron solution arising from the cleansing of iron surfaces in the manufacture of tin plates."
Letters Patent sealed.

CLARK. 19th August 1868.	2589. ALEXANDER CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer, for an invention for—"An improved compound for tanning leather."— <i>A communication to him from abroad by Louis Henry Dennis and Otho Richard Brown, both of Stafford Springs, Tolland County, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
DAVEY. 19th August 1868.	2590. WILLIAM HOOK DAVEY, of Blundell Street, Caledonian Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for drying linen and other fabrics or substances." <i>Provisional protection only.</i>
HEATON. 19th August 1868.	2591. JOHN HEATON, of Langley Mill, in the County of Derby, Engineer, for an invention for—"Improvements in rails for the permanent way of railways." <i>Provisional protection only.</i>
SHAW. 20th August 1868.	2592. THOMAS RAMSDEN SHAW, of Pendleton, in the County of Lancaster, Mill Manager, for an invention for—"Improvements in oil testers or apparatus employed to ascertain the efficiency of oil, grease and equivalent matter when used as lubricants." <i>Letters Patent sealed.</i>
ALMOND. 20th August 1868.	2593. WILLIAM JOHN ALMOND, of 156, Cheapside, in the City of London, Warehouseman, for an invention for—"An improved mode of preparing threads of cotton, silk, wool or any fibrous substance for the market." <i>Letters Patent sealed.</i>
SAWYER. 20th August 1868.	2594. JOSEPH SAWYER, of No. 63, Alma Street, New North Road, London, N., in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction and method of hanging, suspending and balancing window sashes." <i>Letters Patent sealed.</i>
CALKIN. 20th August 1868.	2595. GEORGE CALKIN, of No. 14, Mornington Crescent, Regent's Park, in the County of Middlesex, for an invention for—"A new instrument or apparatus for attaching to pianofortes in order to facilitate the study of the notes." <i>Provisional protection only.</i>
WATERS. 20th August 1868.	2596. HORATIO NELSON WATERS, of the City and County of Hartford, State of Connecticut, United States of America, for an invention for—"Improvements in feed-water heaters for steam generators." <i>Letters Patent sealed.</i>
ROBERTSON. 20th August 1868.	2597. PATRICK ROBERTSON, of 43, Mincing Lane, in the City of London, for an invention for—"Improvements in breaks for railway purposes." <i>Provisional protection only.</i>
ROLLASON. 20th August 1868.	2598. ALEXANDER ROLLASON, of Number 123, Pembroke Road, in the Parish of Clifton, in the City and County of Bristol, Chemist, for an invention for—"Improvements in purifying coal gas and obtaining ammonia from coal gas products." <i>Letters Patent sealed.</i>
HUGHES. 20th August 1868.	2599. HESKETH HUGHES, of Homerton, in the County of Middlesex, Engineer, for an invention for—"Improvements in sewing-machines, and in the manufacture thereby of trimmings and other work with threads, cords or wires." <i>Letters Patent sealed.</i>
ENSELL. 20th August 1868.	2600. HENRY CAUSER ENSELL, of St. Helens, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in smelting copper and other metals, and in furnaces for smelting copper and other metals and for other purposes, and in obtaining products from the gases and vapours given off during the smelting of copper and other metals." <i>Letters Patent sealed.</i>
NEWTON. 20th August 1868.	2601. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in rotary engines."— <i>A communication to him from abroad by Frederick Ortlieb, of Greenpoint, and Edward White, of New York, both in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
HAIGH. 21st August 1868.	2602. THOMAS HAIGH, of Liverpool, in the County of Lancaster, Common Brewer, for an invention for—"Improvements in the apparatus to be used in brewing." <i>Letters Patent sealed.</i>
ELLIOTT. 21st August 1868.	2603. JOHN ELLIOTT, of Southampton, in the County of Hants, Civil Engineer, for an invention for—"Improvements in apparatus for cutting, dressing, bevelling and moulding stone and other hard substances." <i>Provisional protection only.</i>

- NIEPCE.
21st August 1868.
2604. ETIENNE JOSEPH EUGÈNE NIEPCE, junior, of 37, Boulevard Bonne Nouvelle, Paris, in the Empire of France, for an invention for—"New or improved safety blinkers intended for stopping skittish or runaway horses."—*A communication from Joseph Isidore Niepce (senior), a person resident at Givry, Saône et Loire, in the Empire of France.*
Letters Patent sealed.
- JOHNSON.
21st August 1868.
2605. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus employed in manufacturing wheat and other grain into flour."—*A communication to him from abroad by Henry Beaufort Sears, of New York, in the United States of America.*
Provisional protection only.
- HASLUCK.
21st August 1868.
2606. PAUL NOONCREE HASLUCK, of 254, Tottenham Court Road, in the County of Middlesex, for an invention for—"Improvements in apparatus for registering the distance traversed by hackney carriages and other vehicles, applicable also for registering the number of revolutions made by a wheel or drum."
Provisional protection only.
- KNEWSTUB.
21st August 1868.
2607. FABIAN JAMES KNEWSTUB, of the firm of Jenner and Knewstub, of Saint James' Street, in the City of Westminster, Desk and Dressing Case Manufacturers, for an invention for—"Improvements in despatch boxes, partly applicable to jewel cases, dressing cases and other like cases or boxes."
Letters Patent sealed.
- RAMMELL.
21st August 1868.
2608. THOMAS WEBSTER RAMMELL, of 3, Westminster Chambers, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary or centrifugal machines for acting upon air, water and other fluids, and communicating motive-power thereby."
Letters Patent sealed.
- CLARK.
21st August 1868.
2609. JOSIAH LATIMER CLARK, of Beechmont, Sydenham Hill, in the County of Surrey, for an invention for—"Improvements in apparatus for communicating between the passengers, guards and engine drivers of a railway train."
Letters Patent sealed.
- WALKER.
PFLAUM.
21st August 1868.
2610. BENJAMIN WALKER, and JOHN FREDERICK AUGUSTUS PFLAUM, of Goodman Street Works, Leeds, in the County of York, for an invention for—"Improvements in machinery for rolling disc wheels and hoops or tyres."
Letters Patent sealed.
- EVANS.
21st August 1868.
2611. DANIEL EVANS, of 18, Charles Terrace, Casland Road, South Hackney, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of metallic casks, cans, kegs and cisterns, and metal casings for bottles, barrels and other vessels, and also in tools employed in such manufacture."
Letters Patent sealed.
- TALL.
21st August 1868.
2612. JOSEPH TALL, of Falstaff Yard, Kent Street, in the Borough of Southwark, Engineer, for an invention for—"Improved apparatus to be employed in the construction of walls, houses or other buildings."
Letters Patent sealed.
- WRIGLEY.
HOLDING.
22nd August 1868.
2613. THOMAS WRIGLEY, of Manchester, in the County of Lancaster, Mechanical Engineer, and JOSEPH HOLDING, of Wheelton, near Chorley, in the same County, for an invention for—"Certain improvements in looms for weaving."
Letters Patent sealed.
- CHILDS.
22nd August 1868.
2614. AUGUSTUS BRYANT CHILDS, of No. 16, Mark Lane, in the City of London, Engineer, for an invention for—"Improvements in machinery for dressing or cutting millstones."
Provisional protection only.
- KESSELMAYER.
KESSELMAYER.
22nd August 1868.
2615. WILLIAM JOHANNES KESSELMAYER, of Manchester, in the County of Lancaster, Engineer, and CHARLES AUGUSTUS KESSELMAYER, of the same place, Engineer, for an invention for—"Improvements in governors for steam and other motive-power engines."—*Partly the result of a communication made to them from abroad by Emil Hermann Nacke, residing at Alt-Schönefeld, in the Kingdom of Saxony, and partly the result of invention and discovery made by them.*
Letters Patent sealed.
- BERTRAM.
22nd August 1868.
2616. FREDERICK MORITZ BERTRAM, of Ludgate Hill, in the City of London, for an invention for—"An improved mode of obtaining illuminated devices and designations."
Provisional protection only.

WATSON. 22nd August 1868.	2617. JOHN WATSON, of Seaham Chemical Works, near Sunderland, in the County of Durham, Manufacturing Chemist, for an invention for—"Improvements in blast furnaces and in obtaining a hot blast for the same." <i>Letters Patent sealed.</i>
MORGAN. 22nd August 1868.	2618. RICHARD DOUGLAS MORGAN, Civil Engineer, of Tyn-y-coed Rhyll, in the County of Flint, for an invention for—"A new (or improved) glove or apparatus for facilitating swimming." <i>Provisional protection only.</i>
BARBER. 22nd August 1868.	2619. GEORGE HENRY BARBER, of Southampton, in the County of Southampton, for an invention for—"Improved means of preserving meat and in apparatus connected therewith." <i>Provisional protection only.</i>
THOMPSON. 22nd August 1868.	2620. HENRY THOMPSON, of the Essex Road, Islington, in the County of Middlesex, for an invention for—"Improved methods of and apparatus for roughing horses." <i>Letters Patent sealed.</i>
LAKE. 22nd August 1868.	2621. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and means for uniting the ends of railway rails."— <i>A communication to him from abroad by Daniel Rice Pratt, of Worcester, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
SALLITT. 22nd August 1868.	2622. WILLIAM JOSEPH SALLITT, of Esholt, near Leeds, in the County of York, Worsted Spinner, for an invention for—"An improved gravitating wheel machine or engine." <i>Provisional protection not allowed.</i>
CHORLTON. 24th August 1868.	2623. WILLIAM CHORLTON, of Droylsden, near Manchester, in the County of Lancaster, Manager to the firm of Messrs. Kay and Richardson, of the same place, for an invention for—"Certain improvements in 'slashers,' 'tape legs' or 'heald warpers' employed in the preparation of cotton warps." <i>Letters Patent sealed.</i>
GEORGE. 24th August 1868.	2624. CHRISTOPHER GEORGE, of Dulwich, in the County of Surrey, Staff Commander Royal Navy, F.R.A.S., for an invention for—"An improved artificial horizon used for taking altitudes." <i>Provisional protection only.</i>
TIDCOMBE. 24th August 1868.	2625. GEORGE TIDCOMBE, of Bushey, in the County of Herts, Engineer, for an invention for—"Improvements in means for removing dirt from the bottoms of boots, shoes and goloshes." <i>Letters Patent sealed.</i>
ECKHARDT. 24th August 1868.	2626. ALBERT FRIEDRICH ECKHARDT, of the City of Hamburg, for an invention for—"An improved mode or system of preparing and manuring grain and other seeds and roots, before sowing or planting." <i>Letters Patent sealed.</i>
GOODMAN. 24th August 1868.	2627. ALFRED GOODMAN, of Newcastle-on-Tyne, Engineer, for an invention for—"Improvements in steam-boiler and other furnaces, and in apparatus connected therewith." <i>Provisional protection only.</i>
LAKE. 24th August 1868.	2628. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in cartridges for breech-loading fire-arms."— <i>A communication to him from abroad by Samuel Norris, of Springfield, Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
SETCHELL. 24th August 1868.	2629. OLIVER CROMWELL SETCHELL, of Commercial Road, in the County of Surrey, Gentleman, for an invention for—"An improved composition applicable to the manufacture of bricks, artificial stone, and various articles capable of being moulded or pressed into form." <i>Letters Patent sealed.</i>
TOOTH. 24th August 1868.	2630. WILLIAM HENRY TOOTH, of Greenwich, in the County of Kent, Engineer, for an invention for—"Improvements in the manufacture of bricks, tiles and other articles made from plastic or silicious materials, and in the machinery or apparatus employed for moulding and pressing the same, part of which improvements are also applicable for compressing peat or other substances for the manufacture of artificial fuel." <i>Provisional protection only.</i>
COLETTE. 24th August 1868.	2631. GUSTAVE JULES COLETTE, of 104, High Holborn, in the County of Middlesex, for an invention for—"Improvements in holders or protectors for sewing needles." <i>Provisional protection only.</i>
DRACOPULO. 24th August 1868.	2632. GEORGE SINEFI DRACOPULO, of Cardiff, in the County of Glamorgan, for an invention for—"A new apparatus for raising or forcing water, applicable to ships, mines and other purposes." <i>Letters Patent sealed.</i>

- GROUND.**
24th August 1868. **2633.** HENRY GROUND, of Waddington's Buildings, Julian Street, St. Julian's, Norwich, for an invention for—"Improvements in bushing the bungholes of casks and similar vessels."
Letters Patent sealed.
- JEAVONS.**
MARTIN.
25th August 1868. **2634.** JOSHUA JEAVONS, of the Atlas Works, Sheffield, in the County of York, Forge Manager, and CHARLES MARTIN, of Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of iron for plating vessels and fortifications, and the fastenings connected therewith."
Letters Patent sealed.
- COUCHMAN.**
25th August 1868. **2635.** RICHARD COUCHMAN, of Noble Street, in the City of London, Manufacturer, for an invention for—"Improvements in dress fastenings and ornamental appendages, such as buttons, studs, clasps, brooches, eardrops or other personal ornaments."
Provisional protection only.
- SCHOLEFIELD.**
25th August 1868. **2636.** RICHARD SCHOLEFIELD, of Leeds, in the County of York, Mechanic, for an invention for—"Improvements in brick-making machinery."
Letters Patent sealed.
- JÄHNS.**
25th August 1868. **2637.** CARL JOHANN REINHART JÄHNS, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in apparatus for obtaining motive-power, and for registering the quantity or quantities of steam, water or other liquid gases or vapours, and for pumping purposes."
Provisional protection only.
- CAMBRIDGE.**
25th August 1868. **2638.** WILLIAM COLBORNE CAMBRIDGE, of the City and County of Bristol, Engineer, for an invention for—"Improvements in apparatus for crushing, breaking and reducing the soil or land."
Provisional protection only.
- COHEN.**
25th August 1868. **2639.** BENJAMIN JACOB COHEN, of the City of Hamburg, Dentist, for an invention for—"An improved appliance or apparatus for receiving memoranda, notes or other manuscript communications."
Letters Patent sealed.
- ADCOCK.**
25th August 1868. **2640.** JOSEPH SPENCER ADCOCK, of Birmingham, in the County of Warwick, Accountant, for an invention for—"Improvements in account books."
Provisional protection only.
- BARRANS.**
25th August 1868. **2641.** JOSEPH BARRANS, of Leeds, in the County of York, Engineer, for an invention for—"Improved machinery or apparatus for flattening hackle gill comb or card pins, also the heads of needles and articles of a like nature."
Provisional protection only.
- LONG.**
25th August 1868. **2642.** JOHN JEX LONG, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in reducing and cutting or dividing timber, and in the machinery or apparatus connected therewith."
Letters Patent sealed.
- GILLOTT.**
COPLEY.
25th August 1868. **2643.** JOHN GILLOTT, of Chapeltown, in the County of York, Engineer, and PETER COPLEY, of Warren, Mechanic, for an invention for—"Improvements in machinery or apparatus for cutting or getting coal, stone and other minerals."
Letters Patent sealed.
- JOHNSON.**
25th August 1868. **2644.** JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in condensing the vapour of water and other liquids, and in the apparatus employed therein."—*A communication to him from abroad by Placide Nezeraux, of Paris, in the Empire of France, Mechanician.*
Letters Patent sealed.
- CLARK.**
25th August 1868. **2645.** ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in breech-loading fire-arms and in the mode of capping or priming the same."—*A communication to him from abroad by Paul Perret and François Deroche, Directors of the Joint Stock Breech-loading Fire-arms Company, of Paris, in the Empire of France.*
Letters Patent sealed.
- HARVEY.**
25th August 1868. **2646.** RICHARD HARVEY, of the City of Bristol, Sewing-Machine Factor, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed.
- BORGEN.**
25th August 1868. **2647.** ADOLPH EMIL BORGEN, of Corn Exchange Chambers, Seething Lane, in the City of London, Merchant, for an invention for—"A process for the direct decomposition of neutral fatty substances for the manufacture of stearine."—*A communication to him from abroad by Johan Christian August Bock, of Copenhagen, in the Kingdom of Denmark.*
Provisional protection only.

DAWSON. 26th August 1868.	2648. JOSEPH DAWSON, of Thames Ditton, in the County of Surrey, Surveyor, for an invention for—"An improved shaft tug." <i>Provisional protection only.</i>
MORRIS. 26th August 1868.	2649. SAMUEL MORRIS, of Ashton-under-Lyne, in the County of Lancaster, Mechanic, for an invention for—"Improvements in self-acting mules for spinning and doubling." <i>Letters Patent sealed.</i>
HAMER. 26th August 1868.	2650. JOHN HAMER, of Turton, near Bolton, in the County of Lancaster, for an invention for—"Certain improvements in looms for weaving." <i>Provisional protection only.</i>
HALL. 26th August 1868.	2651. WILLIAM HALL, of Wilford Street, in the Town and County of the Town of Nottingham, for an invention for—"Improvements in rotary engines to be worked by steam or other fluid, and which are also applicable to be used in raising or forcing fluids." <i>Letters Patent sealed.</i>
MORGAN. 26th August 1868.	2652. RICHARD WALKER MORGAN, of 42, Upper Sackville Street, Dublin, for an invention for—"An improved machine for mowing and reaping." <i>Letters Patent sealed by order; no specification filed.</i>
HOUGHTON. 26th August 1868.	2653. WILLIAM HOUGHTON, of the firm of Knowles, Houghton and Company, of Gomersal, near Leeds, in the County of York, Machine Makers, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
WILLIAMS. 26th August 1868.	2654. WILLIAM LAWRENCE WILLIAMS, of Bootle, near Liverpool, in the County of Lancaster, Engineer, for an invention for—"An improved motive-power engine." <i>Provisional protection only.</i>
ZOEFFEL. 26th August 1868.	2655. ERNEST ZOEFFEL, of Manchester, in the County of Lancaster, Jewel Case Manufacturer, for an invention for—"Improvements in means for rendering certain portions of windows and doors or doorways air and water tight." <i>Provisional protection only.</i>
SAMUELS. BIRKS. 26th August 1868.	2656. SAMUEL RODGERS SAMUELS, and JOHN BIRKS, both of Nottingham, for an invention for—"Improvements in the manufacture of woven fabrics and in apparatus employed therein." <i>Letters Patent sealed.</i>
HANSON. 26th August 1868.	2657. JOHN HANSON, of High Street, Lincoln, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
LUPTON. 27th August 1868.	2658. ARNOLD LUPTON, of Chesterfield, in the County of Derby, Mining Engineer, for an invention for—"Certain improvements in boilers or generators for steam." <i>Provisional protection only.</i>
WRIGLEY. 27th August 1868.	2659. THOMAS WRIGLEY, of the firm of Fielden Brothers, Todmorden, in the County of Lancaster, Manager, for an invention for—"Certain improvements in furnaces applicable to boilers for generating steam or other purposes." <i>Letters Patent sealed.</i>
JACKSON. GARSIDES. 27th August 1868.	2660. WILLIAM MAXWELL JACKSON, of Kingston-upon-Hull, Gentleman, and ROBERT GARSIDES, of the same place, Brick Manufacturer, for an invention for—"Improvements in roofing tiles and in the method of keying or fastening together some of such tiles when being formed into a roof, and in the apparatus used in the manufacture of such tiles." <i>Letters Patent sealed.</i>
PEYTON. 27th August 1868.	2661. EDWARD PEYTON, of Birmingham, in the County of Warwick, for an invention for—"Improvements in metallic bedsteads." <i>Letters Patent sealed.</i>
HÉBERT. MOULIN. COUINCK. COUINCK. 27th August 1868.	2662. LOUIS PIERRE HÉBERT, LOUIS ARMAND MOULIN, both of Neuilly-on-Seine, Avenue du Roule, No. 51, Department de la Seine, JEAN PRUDENT COUINCK the elder, and EDMOND COUINCK the younger, both of Rue du Marché, No. 25, all in the Empire of France, for an invention for—"An improved press for stamping letters, books and documents, with ink or other coloring matter." <i>Provisional protection only.</i>
SMITH. 27th August 1868.	2663. DILLWYN SMITH, of Burlington, New Jersey, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in smoke-consuming apparatus." <i>Letters Patent sealed.</i>
BURROWS. 28th August 1868.	2664. BENJAMIN BURROWS, senior, of Abbey Mills, Leicester, in the County of Leicester, for an invention for—"Improvements in machinery or apparatus to facilitate the separation and division of skeins of silk preparatory to winding." <i>Letters Patent sealed.</i>

- HOLMES.**
28th August 1868. 2665. NATHANIEL JOHN HOLMES, of 9, Primrose Hill Road, Regent's Park, Middlesex, Gentleman, for an invention for—"Improvements in electric telegraphs and apparatus connected therewith."
Letters Patent sealed.
- YULE.**
28th August 1868. 2666. JOHN YULE, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in arrangements and apparatus for dealing with sewage."
Provisional protection only.
- STRANG.**
28th August 1868. 2667. WILLIAM STRANG, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in arrangements and apparatus for dealing with sewage."
Letters Patent sealed.
- KER.**
28th August 1868. 2668. GEORGE KER, of Maidstone, in the County of Kent, for an invention for—"Improved mechanism or apparatus for cleaning gloves and other articles and fabrics."
Letters Patent sealed.
- HENDERSON.**
28th August 1868. 2669. THOMAS HENDERSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in sewing-machines."
Provisional protection only.
- CORCORAN, DUNHAM.**
28th August 1868. 2670. BRYAN CORCORAN, and WILLIAM DUNHAM, of Mark Lane, in the City of London, for an invention for—"Improvements in apparatus for dressing millstones."
Letters Patent sealed.
- SAUNDERS.**
28th August 1868. 2671. ROBERT SAUNDERS, of Croydon, in the County of Surrey, for an invention for—"An oscillating screen breakwater."
Letters Patent sealed.
- MCGREGOR.**
28th August 1868. 2672. WILLIAM MCGREGOR, of Notting Hill, in the County of Middlesex, First Assistant Superintendent Indian Government Telegraphs, for an invention for—"Improvements in the construction of telegraph and signal posts."
Provisional protection only.
- GARDNER.**
28th August 1868. 2673. CHARLES HENRY GARDNER, of West Harding Street, Fetter Lane, in the City of London, Printing Machine Manufacturer, for an invention for—"Improvements in lithographic and zincographic cylinder printing machines."
Letters Patent sealed.
- RICHARDSON.**
29th August 1868. 2674. EDWARD RICHARDSON, of Wapping, in the County of Middlesex, Merchant, for an invention for—"A new (or improved) material for manufacturing casings or coverings for bottles and other such like articles, applicable also for other purposes."
Letters Patent sealed.
- POTTER.**
29th August 1868. 2675. HAROLD POTTER, of Fisherwick Dough, near Belfast, in the County of Antrim, in Ireland, Paper Manufacturer, for an invention for—"Certain improvements in bleaching cotton and other fabrics and fibres."
Provisional protection only.
- MARTIN.**
29th August 1868. 2676. JAMES MARTIN, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in extracting pitch or similar articles from wool or similar materials."
Provisional protection only.
- GEDGE.**
29th August 1868. 2677. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine for agglomerating coal or other combustible dust in any shapes, particularly into spheroidal and ellipsoidal forms, and permitting the simultaneous manufacture of balls or cakes of various sizes."—*A communication to him from abroad by James Salamon, Victor Freteur and Casimir Troquier, all of 39, Faubourg St. Martin, Paris, France.* *Provisional protection only.*
- TATTERSALL, TATTERSALL, RICHMOND.**
29th August 1868. 2678. JOB TATTERSALL, Emery Roller Coverer, THOMAS TATTERSALL, Machine Maker, and THOMAS RICHMOND, Cotton Manufacturer, all of Burnley, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus employed for grinding 'cards' used in the preparation of cotton, wool and other fibrous substances."
Provisional protection only.
- JACKSON, OGDEN.**
29th August 1868. 2679. EPHRAIM JACKSON, and JOHN OGDEN, both of Chadderton, near Oldham, in the County of Lancaster, for an invention for—"Certain improvements in mechanism or apparatus to be employed for preparing cotton and other fibrous substances."
Provisional protection only.

HUNTER. 29th August 1868.	2680. JOHN MORRISON HUNTER, of Morristown, in the State of New Jersey, United States of America, but now residing at Norfolk Street, Strand, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improved apparatus for effecting aerial propulsion." <i>Letters Patent sealed and specification filed by order.</i>
PARAIRE. 29th August 1868.	2681. EDWARD LOUIS PARAIRE, of Mornington Crescent, Regent's Park, in the County of Middlesex, Architect and Engineer, for an invention for—"An improvement in the mode of working steam-engines." <i>Provisional protection only.</i>
NAYLOR. 29th August 1868.	2682. WILLIAM NAYLOR, of Mildmay Park, in the County of Middlesex, Engineer, for an invention for—"Improvements in railway breaks and in apparatus connected therewith." <i>Provisional protection only.</i>
VARLEY. 29th August 1868.	2683. CROMWELL FLEETWOOD VARLEY, of Beckenham, in the County of Kent, for an invention for—"Improvements in electric telegraphs." <i>Letters Patent sealed.</i>
FLETCHER. 31st August 1868.	2684. WILLIAM SANDERSON FLETCHER, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"A new method of and apparatus for preventing draughts of air and the admission of rain, through the apertures under and around doors and windows of all descriptions." <i>Letters Patent sealed.</i>
NEWTON. 31st August 1868.	2685. SAMUEL NEWTON, of Oldham, in the County of Lancaster, for an invention for—"An improved swing-door hinge." <i>Provisional protection only.</i>
GREENWOOD. 31st August 1868.	2686. JOSIAH GREENWOOD, of Limeholm, near Todmorden, in the County of Lancaster, Manager of a Cotton Mill, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
LESTER. TRUEMAN. 31st August 1868.	2687. THOMAS LESTER, of Wordesley, in the County of Stafford, Engineer, and WILLIAM TRUEMAN, of Lays Foundry, Brierly Hill, in the County of Stafford, Ironfounder, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
FIELDHOUSE. 31st August 1868.	2688. JOHN FIELDHOUSE, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the furnaces of steam-boilers." <i>Letters Patent sealed.</i>
WALKER. 31st August 1868.	2689. HENRY WALKER, of Alcester, in the County of Warwick, and of Gresham Street, in the City of London, for an invention for—"An improved method for papering and packing needles, pins and similar small articles, for sale." <i>Letters Patent sealed.</i>
WILKINSON. 31st August 1868.	2690. JOHN WILKINSON the younger, of St. Helen's Mills, Hunslet, Leeds, in the County of York, for an invention for—"Improved machinery for printing carpets." <i>Letters Patent sealed.</i>
LAKE. 31st August 1868.	2691. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved relieving coupling for wire rigging."— <i>A communication to him from abroad by W. H. Shock, of Washington, District of Columbia, United States of America.</i> <i>Provisional protection only.</i>
LAKE. 31st August 1868.	2692. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in projectiles for ordnance and fire-arms."— <i>A communication to him from abroad by W. H. Shock, of Washington, District of Columbia, United States of America.</i> <i>Provisional protection only.</i>
GEDGE. 31st August 1868.	2693. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus for warding off leaves and other matters likely to clog the working of turbines."— <i>A communication to him from abroad by Jean François Vaugeois, of 37, Boulevard Bonne Nouvelle, Paris, France.</i> <i>Provisional protection only.</i>
THOMPSON. 31st August 1868.	2694. NATHAN THOMPSON, of the City of Brooklyn, in the County of Kings and State of New York, United States of America, for an invention for—"Improvements in cutting nippers." <i>Provisional protection only.</i>
RIVIERE. 31st August 1868.	2695. LOUIS FOY AMOUR PONIATOWSKY RIVIERE, of Cognac, in the Empire of France, Brandy Merchant, for an invention for—"Improvements in cases for packing bottles containing wine or other liquid." <i>Letters Patent sealed.</i>

- MARTIN.**
1st September 1868. **2696.** JOHN COWDERY MARTIN, of High Street, Barnes, in the County of Surrey, Gelatine Maker, for an invention for—"Improvements in the treatment of cartilaginous matter of bone for the manufacture of gelatine, which improvements are also applicable to the treatment of other substances from which gelatine is manufactured." *Letters Patent sealed.*
- BADGER.**
BADGER.
1st September 1868. **2697.** JOHN BADGER, and WILLIAM BADGER, both of Rotherham, in the County of York, for an invention for—"Improvements in steam-engines." *Provisional protection only.*
- LADLEY.**
1st September 1868. **2698.** JOSEPH LADLEY, of Leeds, in the County of York, Woollen Manufacturer, for an invention for—"Improvements in machinery or apparatus for spinning and twisting wool or other fibrous substances." *Provisional protection only.*
- HUDSON.**
1st September 1868. **2699.** FREDERIC HUDSON, of 227, Blackfriars Road, in the County of Surrey, Manufacturer of Gas Meters, for an invention for—"Improvements in dry gas or liquid meters." *Provisional protection only.*
- HOLMES.**
1st September 1868. **2700.** WILLIAM CARTWRIGHT HOLMES, Engineer, of 56, Gracechurch Street, in the City of London, for an invention for—"Improvements in apparatus used in the manufacture of gas."—*A communication to him from abroad by Benjamin Warnes Thurston, of the Gas Works, Hamburg.* *Letters Patent sealed.*
- TOMS.**
1st September 1868. **2701.** THOMAS TOMS, of 58, York Road, Lambeth, S.E., in the County of Surrey, Boot and Shoe Maker, for an invention for—"Improvements in waterproof shooting and walking boots." *Provisional protection only.*
- DOLBY.**
1st September 1868. **2702.** THOMAS GEORGE FONNEREAU DOLBY, Manufacturing Goldsmith, of 14, Old Town, Clapham Parish, in the County of Surrey, for an invention for—"Improvements in the application and construction of valves made of india-rubber or other similarly elastic material." *Letters Patent sealed.*
- JOBSON.**
1st September 1868. **2703.** EDWARD JOBSON, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in pianofortes." *Letters Patent sealed.*
- LAKE.**
1st September 1868. **2704.** WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in looms for weaving."—*A communication to him from abroad by George Crompton, of Worcester, Massachusetts, United States of America.* *Letters Patent sealed.*
- MACVAY.**
1st September 1868. **2705.** WILLIAM WILSON MACVAY, of Castleford, in the County of York, Glass Manufacturer, for an invention for—"An improvement in glass furnaces." *Provisional protection only.*
- BONNEVILLE.**
2nd September 1868. **2706.** HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"A new and improved process for regenerating certain alimentary substances and improvements in apparatus connected therewith."—*A communication from Alphonse Louvel, a person resident at St. Denis, in the Empire of France, aforesaid, M.D.* *Complete specification; Letters Patent sealed.*
- GREENER.**
2nd September 1868. **2707.** JOHN HENRY GREENER, of John Street, Adelphi, in the County of Middlesex, Electrical Engineer, for an invention for—"Improvements in the construction of insulators for telegraph wires." *Provisional protection only.*
- ADAMS.**
BARRETT.
2nd September 1868. **2708.** JOHN ADAMS, Turner, and HENRY BARRETT, Soda Water Manufacturer, both of Saint Helier, Jersey, one of the Channel Islands, for an invention for—"An improved stopper for bottles for containing aerated or gaseous liquids." *Letters Patent sealed.*
- CORTAZZI.**
2nd September 1868. **2709.** EDWARD CORTAZZI, of No. 1, Park Terrace, Brockley Road, New Cross, in the County of Kent, for an invention for—"A new system of suspended iron roads or ways, and carriages or vehicles to be used in connection therewith."—*A communication to him from abroad by Casimir de Forel, of Elizabethgrad (Government of Cherson), in the Russian Empire, Engineer.* *Letters Patent sealed.*
- BROOMAN.**
2nd September 1868. **2710.** CLINTON EDGUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved process for purifying or treating wool."—*A communication to him from abroad by Joseph Fraenkel, of Elbeuf, France.* *Provisional protection only.*

AITKEN. 2nd September 1868.	2711. HENRY AITKEN, of Falkirk, in the County of Stirling, North Britain, for an invention for—"Improvements in treating grain, pulse, hay, straw and root crops, for the purpose of speedily drying and bringing the same into sound condition, and in the means employed therefor." <i>Provisional protection only.</i>
CARLE. 2nd September 1868.	2712. JOHANNES FRIEDRICH CHRISTIAN CARLE, of No. 3, Leadenhall Street, in the City of London, Gentleman, for an invention for—"Improvements in breech-loading needle guns, and in the cartridges to be used therewith or with other needle guns." <i>Complete specification; Letters Patent sealed.</i>
EVANS. 2nd September 1868.	2713. JAMES EVANS, of Wednesbury, in the County of Stafford, Manager, for an invention for—"Improvements in machinery for finishing and welding iron and steel tubes." <i>Letters Patent sealed.</i>
CAMPBELL. 2nd September 1868.	2714. JOHN IRVING CAMPBELL, of Southgate Crescent, Reading, in the County of Berks, Civil Engineer, for an invention for—"Improvements in securing bales of cotton and other material, and in wrappers therefor."— <i>A communication to him from abroad by Theodore Kleinknecht, a person resident at Khangaum, in the Berars, Central India.</i> <i>Letters Patent sealed.</i>
FORSTER. HEARTFIELD. 2nd September 1868.	2715. THOMAS FORSTER, of Streatham Common, and JOHN HEARTFIELD, of Stanley Road, Thornton Heath, Croydon, both in the County of Surrey, for an invention for—"Improvements in the manufacture of porous or spongy substances from india-rubber, gutta-percha, balata or their compounds." <i>Letters Patent sealed.</i>
GREEN. 3rd September 1868.	2716. WILLIAM CHARLES GREEN, of South Molton Street, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
NEUMANN. 3rd September 1868.	2717. JULIUS NEUMANN, of No. 2, Bedford Street, Bedford Square, London, Merchant, for an invention for—"Improvements in fans known as Chinese fans." <i>Provisional protection only.</i>
PRESTON. ROSS. 3rd September 1868.	2718. FRANCIS PRESTON, and ROBERT CRAIB ROSS, both of the City of Manchester, Engineers, for an invention for—"Improvements in stop blocks for railways." <i>Letters Patent sealed.</i>
KIRK. 3rd September 1868.	2719. ALEXANDER CARNEGIE KIRK, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in packing and storing ice and in apparatus therefor."— <i>A communication to him from abroad by John Kyle, residing at Foochow, China.</i> <i>Provisional protection only.</i>
GRIFFITHS. 3rd September 1868.	2720. JOHN GRIFFITHS, of West Firle, in the County of Sussex, Land Agent, for an invention for—"A new or improved method or methods of and apparatus for uprooting or deforesting trees, roots and other matters." <i>Letters Patent sealed.</i>
CLARK. 3rd September 1868.	2721. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved portable or camp bedstead and travelling trunk combined."— <i>A communication to him from abroad by Charles Joseph Evericks, Trunk Maker, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
PARKER. 3rd September 1868.	2722. EDWARD LAWLEY PARKER, trading under the firm of Bent and Parker, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in fastenings for braces, belts, bands and other like articles." <i>Letters Patent sealed.</i>
ATHERTON. ATHERTON. 4th September 1868.	2723. THOMAS ATHERTON, and JOHN ATHERTON the younger, of the firm of Atherton Brothers, of Preston, in the County of Lancaster, Machinists, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
GRAFTON. 4th September 1868.	2724. SIDNEY GRAFTON, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in machinery or apparatus for cutting or slicing cucumbers and other substances." <i>Letters Patent sealed.</i>
JOHNSON. 4th September 1868.	2725. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the preparation of a blue color from aniline."— <i>A communication to him from abroad by Pierre Blumer Zweifel, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>

- WHITE.**
4th September 1868. **2726.** GEORGE WHITE, of 68, Queen Street, Cheapside, in the City of London, Patent Agent, for an invention for—"Improvements in apparatuses for preventing incrustations from collecting on the sides, flues or tubes of steam or other boilers."
—*A communication to him from abroad by Mr. Josef Popper, of Vienna, Austria.*
Provisional protection only.
- BUTTERWORTH.**
4th September 1868. **2727.** THOMAS BUTTERWORTH, of 18, Mumps, Oldham, in the County of Lancaster, Engineer, for an invention for—"An improved pump suitable for lubricating and for other purposes."
Letters Patent sealed.
- JONES.**
4th September 1868. **2728.** DAVID JONES, of Malvern Wells, in the County of Worcester, Ironmonger, for an invention for—"A new or improved stand or support for umbrellas, parasols, sticks and other articles."
Letters Patent sealed.
- LAFORGUE.**
4th September 1868. **2729.** ADOLPHE MARIE ALBIN LAFORGUE, of No. 5, Rue des Quatre Vents, Caen, in the Empire of France, Medical Doctor, for an invention for—"A new apparatus for introducing powders into natural or pathological cavities in the human body."
Letters Patent sealed.
- TRAVIS.**
CHADWICK.
LAW.
4th September 1868. **2730.** CHARLES TRAVIS, of Great Howarth, near Rochdale, JAMES CHADWICK, of Wardle, near Rochdale, and JOSEPH LAW, of Ashworth Street, Rochdale, all in the County of Lancaster, for an invention for—"Certain improvements in condensers of carding-engines."
Provisional protection only.
- COOPER.**
HARRISON.
4th September 1868. **2731.** WILLIAM GILES COOPER, Machine Maker, of Burnley, in the County of Lancaster, and ROBERT HARRISON, Mechanic, of Britania, near Bacup, in the County aforesaid, for an invention for—"Improvements in looms for weaving."
Provisional protection only.
- SPROUL.**
4th September 1868. **2732.** JOSEPH SPROUL, of Salisbury Villa, Hadley, in the County of Middlesex, for an invention for—"An improved system of water power."
Provisional protection NOT allowed.
- NEWTON.**
4th September 1868. **2733.** WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in thermometers."—*A communication to him from abroad by Jean Baptiste Napoleon Fournier and Charles Armand Lemaire, both of Rue St. Sebastien, Paris, in the Empire of France.*
Letters Patent sealed.
- PARKER.**
4th September 1868. **2734.** JAMES PARKER, of No. 6, Lilford Road, Camberwell, in the County of Surrey, Gentleman, for an invention for—"Further improvements in apparatus for obtaining motive-power for engines, by means of a combination of steam and air, for the prevention of racing in steam and air marine engines, for a condenser applicable to steam and air engines, and for other purposes."
Provisional protection only.
- SHARROCK.**
4th September 1868. **2735.** SAMUEL SHARROCK, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in metallic standards or posts for electric telegraphs and signal masts."
Letters Patent sealed.
- PERKINS.**
4th September 1868. **2736.** THOMAS PERKINS, of Hitchin, in the County of Herts, for an invention for—"Improvements in elevators or apparatus to raise agricultural produce on to carts or stacks."
Provisional protection only.
- PICKERING.**
5th September 1868. **2737.** JONATHAN PICKERING, of Stockton-on-Tees, in the County of Durham, for an invention for—"Improvements in apparatus for raising and lowering weights."
Letters Patent sealed.
- BANKS.**
5th September 1868. **2738.** RICHARD BANKS, of Saddleworth, in the County of York, for an invention for—"An improved floor dog or cramp."
Provisional protection only.
- HOWCROFT.**
MCGREGOR.
5th September 1868. **2739.** THOMAS HOWCROFT, and ALEXANDER MCGREGOR, both of the firm of Picksley, Sims and Company, Limited and Reduced, of Bedford Leigh, in the County of Lancaster, for an invention for—"Certain improvements in agricultural implements known as reaping and mowing machines."
Provisional protection only.
- PULVERMACH.**
5th September 1868. **2740.** ISAC LOUIS PULVERMACH, of Regent Street, in the County of Middlesex, Electrical Engineer, for an invention for—"Improvements in apparatus or means for producing and applying electric currents."
Letters Patent sealed.

SLOPER. 5th September 1868.	2741. JOSEPH SLOPER, of Walbrook House, Walbrook, in the City of London, Civil Engineer, for an invention for—"Improved means of and apparatus for perforating, punching, cutting or stamping cardboard, metal and other materials, and especially applicable to perforating railway tickets." <i>Provisional protection only.</i>
CRISPIN. 5th September 1868.	2742. WILLIAM HENRY CRISPIN, of Stratford, in the County of Essex, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Letters Patent sealed.</i>
NEWTON. 5th September 1868.	2743. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in mariners' compasses."— <i>A communication to him from abroad by Demetrius Bittle Strouse, of Salem, in the State of Virginia, United States of America.</i> <i>Letters Patent sealed.</i>
WILSON. 5th September 1868.	2744. THOMAS WILSON, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
TATLOCK. ABELSETH. 5th September 1868.	2745. WILLIAM TATLOCK, of Frankfort, Germany, Civil Engineer, and CHRISTOPHER NICOLAY ABELSETH, of Philadelphia, Pennsylvania, United States of America, Civil Engineer, both now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in apparatus for manufacturing gas."— <i>A communication to them from abroad by James Stratton, of Philadelphia, Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
COWING. 7th September 1868.	2746. HENRY COWING, of New Orleans, United States of America, now residing at No. 8, Euston Grove, Euston Square, in the County of Middlesex, for an invention for—"A steam land locomotive traction engine and its attachments, which make it a universal machine for agriculture and other purposes, which attachments are applicable to horse or ox power as well as steam, and may be called a steam plough and machine of all work." <i>Provisional protection only.</i>
WOOD. 7th September 1868.	2747. JOSEPH WOOD, of Red Bank, in the State of New Jersey, United States of America, for an invention for—"Improvements in 'frog-plates' for the inter-sections of railroad tracks." <i>Letters Patent sealed.</i>
BROOMAN. 7th September 1868.	2748. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in apparatus or means for feeding and burning mineral oils and essences for lighting purposes."— <i>A communication to him from abroad by Hippolyte Leplay and Jules Noel, both of Paris, France.</i> <i>Provisional protection only.</i>
LEE. 7th September 1868.	2749. HENRY MICHAEL LEE, of Number 55, Cross St., Manchester, in the County of Lancaster, Jeweller, for an invention for—"Improvements in cases employed to contain visiting or address cards." <i>Letters Patent sealed.</i>
MASSELON. 7th September 1868.	2750. URSEN ADRIEN MASSELON, of Issoudun, in the Department of l'Indre, in the Empire of France, for an invention for—"Improvements in kilns for burning bricks, lime, pottery and other articles or matters." <i>Letters Patent sealed.</i>
JOYNSON. 7th September 1868.	2751. JOSEPH JOYNSON, of Manchester, in the County of Lancaster, Agent, for an invention for—"Certain improvements in that portion of ladies' wearing-apparel termed muffs." <i>Provisional protection only.</i>
DAVIES. 7th September 1868.	2752. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved meter for water or other incompressible fluid."— <i>A communication to him from abroad by Eduard Schröder and Julius Cohn, both of Berlin.</i> <i>Letters Patent sealed.</i>
CARRINGTON. 7th September 1868.	2753. WILLIAM THOMAS CARRINGTON, of No. 10, Park Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in capstans." <i>Letters Patent sealed.</i>
WANOSTROCHT. 7th September 1868.	2754. VINCENT WANOSTROCHT, of 38, Walbrook, in the City of London, for an invention for—"Improvements in the construction of gunpowder mills and in machinery used in the manufacture of gunpowder." <i>Provisional protection only.</i>

- NEWTON.**
7th September 1868. 2755. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in knitting, and in the machinery to be used in knitting."—*A communication to him from abroad by Mark Lamar Roberts, of New Brunswick, State of New Jersey, and Fergus Peniston, of New York City, United States of America.*
Letters Patent sealed.
- STOKES.**
STOKES.
STOKES.
STOKES.
7th September 1868. 2756. EDWARD STOKES, EDWARD BRADNEY STOKES, JOSEPH STOKES, and HARRY STOKES, Copartners and trading under the firm or style of "Edward Stokes and Sons," at Villa Street, in the Parish of Aston and County of Warwick, Pearl Button Makers, for an invention for—"An improved pearl ornament for ladies' wear, suitable for necklets, bracelets and the like."
Provisional protection only.
- WALKER.**
7th September 1868. 2757. JOHN CRAWFORD WALKER, of Gainsborough Square, Hackney Wick, in the County of Middlesex, Gentleman, for an invention for—"Improvements in coppers or boilers for boiling or cleansing articles of clothing and other substances."
Letters Patent sealed.
- TUCKER.**
7th September 1868. 2758. SAMUEL BLATCHFORD TUCKER, of Baltimore, Maryland, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in rotary engines."—*A communication to him from abroad by George Whitcher, of Brooklyn, New York, United States of America.*
Provisional protection only.
- HOLLAND.**
7th September 1868. 2759. CHARLES HOLLAND, of Chicago, in the County of Cook and State of Illinois, in the United States of America, Gentleman, for an invention for—"Improved compositions for the production of artificial stones, tiles and pipes, and useful also as cements, paints and for stuccoes."—*A communication to him from George Alexander Frear, a person resident at Chicago, in the State of Illinois and United States of America.*
Complete specification; Letters Patent sealed.
- ANDOE.**
8th September 1868. 2760. FRANCIS ANDOE, of Swansea, in the County of Glamorgan, for an invention for—"Improved lowering apparatus intended to be used as a fire-escape and for obtaining access to the exterior or other wall surfaces of buildings."
Provisional protection only.
- JONES.**
8th September 1868. 2761. JAMES JONES, of Consett Iron Works, in the County of Durham, for an invention for—"Improvements in the arrangement and construction of furnaces and apparatus employed in the processes of heating, rolling, straightening, punching and finishing railway and other bars or forms of iron and steel."
Letters Patent sealed.
- BURDETT.**
8th September 1868. 2762. JOSEPH BURDETT, of the Harrow Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of machinery for making bricks."
Letters Patent sealed.
- STOCKER.**
EDGLEY.
8th September 1868. 2763. ALEXANDER RICHMOND STOCKER, of New Cross, Glass Manufacturer, and JOHN ALFRED EDGLEY, of Lamb's Conduit Street, Practical Engineer, for an invention for—"Improvements in hollow caps and stoppers, and the employment of them with bottles and other vessels, and in the machinery, apparatus or means to be used for producing part of the same, also improvements in the articles to be employed with such or other caps, and the means for constructing them."
Letters Patent sealed.
- FRASER.**
8th September 1868. 2764. ALEXANDER JOHN FRASER, of Holloway, in the County of Middlesex, for an invention for—"Improvements in locks."
Letters Patent sealed.
- LOWRY.**
8th September 1868. 2765. GEORGE LOWRY, of Bury Street Foundry, Salford, County of Lancaster, for an invention for—"Improvements in the construction of heckling and carding machines."
Provisional protection only.
- AUB.**
8th September 1868. 2766. IGNACE AUB, of No. 82, Boulevard de Sébastopol, Paris, in the Empire of France, Merchant, for an invention for—"Improvements in advertising match boxes and spill holders."
Provisional protection only.
- SOULAGE.**
8th September 1868. 2767. PIERRE ISIDORE SOULAGE, of No. 82, Boulevard Sébastopol, in the City of Paris, in the Empire of France, Broker, for an invention for—"An improved indivisible pin to be used in fastenings of jewellery or other fastenings."
Provisional protection only.

COTTAM. 8th September 1868.	2768. EDWARD COTTAM, of Battersea, in the County of Surrey, Engineer, for an invention for—"Improvements in rolling and shaping iron or other metal for the manufacture of shoes for the feet of horses and other animals, in machinery employed therein, and in tools for preparing the feet for the reception of the shoes." <i>Letters Patent sealed.</i>
STEWART. NICHOLSON. 8th September 1868.	2769. JOHN STEWART, and JOHN NICHOLSON, both of Poplar, in the County of Middlesex, Engineers, for an invention for—"Improvements in continuous expansion engines, and in the valves to be used therewith or with ordinary engines." <i>Letters Patent sealed.</i>
CLARKE. 8th September 1868.	2770. THOMAS EDWARD CLARKE, of Apsley Cross, in the County of Somerset, Esquire, for an invention for—"Improvements applicable to open fireplaces." <i>Letters Patent sealed.</i>
BENJAMIN. 8th September 1868.	2771. SAMUEL BENJAMIN, of Bayswater, in the County of Middlesex, for an invention for—"A new or improved blind for hansom cabs or other open vehicles." <i>Provisional protection only.</i>
WARSON. 8th September 1868.	2772. GEORGE WARSON, of 17, Bromley Place, Nottingham, for an invention for—"Improvements in obtaining motive-power by means of air and steam, and in apparatus employed therein." <i>Letters Patent sealed.</i>
JOHNSON. 8th September 1868.	2773. ELLEN JOHNSON, of Brighton, in the County of Sussex, Muff and Plume Manufacturer, for an invention for—"Improvements in the manufacture or ornamentation of muffs, cuffs and collars." <i>Letters Patent sealed.</i>
MILLWARD. 9th September 1868.	2774. JOHN MILLWARD, of Curzon Chambers, Paradise Street, Birmingham, in the County of Warwick, Civil Engineer, for an invention for—"Improvements in steam-boilers."— <i>A communication to him from abroad by Joseph Nason, of the City and County of New York, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
ADAMS. BARRETT. 9th September 1868.	2775. JOHN ADAMS, Turner, and HENRY BARRETT, Soda Water Manufacturer, both of Saint Helier, Jersey, one of the Channel Islands, for an invention for—"Improvements in apparatus for supplying the syrup in the manufacture of aerated beverages and other liquids, also applicable to other purposes." <i>Letters Patent sealed.</i>
COVERT. 9th September 1868.	2776. LEWIS BUCKINGHAM COVERT, of the City and State of New York, United States of America, for an invention for—"Improvements in extension ladders." <i>Provisional protection only.</i>
CLARK. 9th September 1868.	2777. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in metallic spring packings."— <i>A communication to him from abroad by Henry Bertrand, Civil Engineer, and François Velut, Machinist, both of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CLARK. 9th September 1868.	2778. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improved means of instantaneously opening envelopes and of attaching them to the letters they contained."— <i>A communication to him from abroad by Constant Jardry, Artisan, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
WOOD. 9th September 1868.	2779. EDWARD WOOD, of the firm of John and Edward Wood, of Bolton, in the County of Lancaster, Engineers, for an invention for—"Certain improvements in steam-engines." <i>Letters Patent sealed.</i>
NEWTON. 9th September 1868.	2780. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in pumps."— <i>A communication to him from abroad by James Wilson, of Bridgeport, in the State of Connecticut, and Charles Frederick Mudge, of Lynn, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
SHAND. 10th September 1868.	2781. JAMEE SHAND, Mechanical Engineer, of 75, Upper Ground Street, Blackfriars, in the County of Surrey, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>

- DAVIES.
10th September 1868. 2782. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in stamping or embossing horn, leather and other materials, and in the apparatus employed for such purpose."—*A communication to him from abroad by Joseph Victor Combe, of Rouen, France, Mechanician.* Letters Patent sealed.
- BENNETT.
10th September 1868. 2783. THOMAS BENNETT, of Birmingham, in the County of Warwick, Iron Merchant and Manufacturer, for an invention for—"Improvements in the manufacture of spoons, forks and ladles, which improvements are also applicable to handles generally, composed of sheet or hoop iron or other sheet metal, and in the machinery or apparatus employed therein." Letters Patent sealed.
- LEJEUNE.
10th September 1868. 2784. AUGUSTE ANTOINE LEJEUNE, of the City of Manchester, Chemist, for an invention for—"Improvements in the manufacture of certain colours employed in printing fabrics." Letters Patent sealed.
- PADLEY.
10th September 1868. 2785. EZRA PADLEY, of Tipton, in the County of Stafford, for an invention for—"Improvements in anchors." Provisional protection only.
- ARCHIBALD.
10th September 1868. 2786. SAMUEL GEORGE ARCHIBALD, of Edinburgh, in the Kingdom of Scotland, for an invention for—"A new method of and improved apparatus for reaping corn and other grain upon an improved method to that usually practised." Provisional protection only.
- MCNAUGHT.
10th September 1868. 2787. WILLIAM MCNAUGHT, of Rochdale, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines, steam-boiler and other furnaces, and in apparatus for heating feed-water." Provisional protection only.
- MAYNES.
10th September 1868. 2788. JOHN MAYNES, of the City of Manchester, Engineer, for an invention for—"An improved self-acting arrangement of mechanism for supplying weft without stoppage to looms." Letters Patent sealed.
- IBBOTSON.
10th September 1868. 2789. ALFRED BUCKINGHAM IBBOTSON, of the firm of Ibbotson, Brothers and Company, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in railway fastenings."—*A communication to him from abroad by Honoré Demoor, of Brussels, in the Kingdom of Belgium.* Letters Patent sealed.
- MATTON.
10th September 1868. 2790. CARL HENRIK JULIUS MATTON, of Stockholm, in the Kingdom of Sweden, but now residing at Portland Place, Regent Street, in the County of Middlesex, Merchant, for an invention for—"Improvements applicable to stockings and other coverings for the feet." Provisional protection NOT allowed.
- TRAGHEIM.
10th September 1868. 2791. SAMUEL TRAGHEIM, of Swinton Street, Gray's Inn Road, in the County of Middlesex, Interpreter, for an invention for—"An improved mode of and apparatus for cleansing fibrous materials." Provisional protection NOT allowed.
- CHALLENGER.
KITCHEN.
10th September 1868. 2792. JOSEPH CHALLENGER, of Manchester, in the County of Lancaster, and BENJAMIN KITCHEN, of Manchester, in the said County, for an invention for—"An improved mechanical apparatus to be employed for placing and securing 'fog' or 'detonating' signals upon the rails or metals of railways." Letters Patent sealed.
- OLIVER.
MCALLUM.
10th September 1868. 2793. JOHN OLIVER, Chemist, and CHARLES OCTAVIUS MCALLUM, Merchant, both of the Town and County of Newcastle-upon-Tyne, for an invention for—"Improvements in the utilization of the alkaline neutral and saline salts contained in the mother-liquors or weak alkali resulting from the manufacture of crystals of soda or other alkaline salts." Letters Patent sealed.
- CRULS.
10th September 1868. 2794. AUGUSTE CRULS, Manufacturer of Cement Tiles, of Saint Josse-ten-Noode, Suburb of the City of Brussels, in the Kingdom of Belgium, for an invention for—"An improved press for the manufacture of cement tiles, patent fuel and other analogous products." Letters Patent sealed.
- LAKE.
10th September 1868. 2795. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in condensing apparatus for steam-engines."—*A communication to him from abroad by Franklin Ransom, of Buffalo, New York, United States of America.* Letters Patent sealed.

HENDERSON.
10th September 1868.

2796. ARTHUR CHARLES HENDERSON, of No. 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the ornamentation of boot and shoe straps, and in elastic side springs."—*A communication to him from abroad by Henri Suser, Boot and Shoe Maker, of Nantes, in the Department of the Loire Inférieure, in the Empire of France.* Letters Patent sealed.

EVANS.
11th September 1868.

2797. ORMROD COFFEEN EVANS, Citizen of the United States of America, at present residing at Lambeth, in the County of Surrey, for an invention for—"Improvements in the mode of constructing girders and other parts of bridges, and beams and girders and other parts in other structures and superstructures, part of such improvements being applicable to spring bottoms for bedsteads, mattresses, sofas or other articles." Provisional protection only.

DOBSON.
SLATER.
11th September 1868.

2798. BENJAMIN DOBSON, of Bolton, in the County of Lancaster, Machine Maker, and WILLIAM SLATER, of the same place, Manager, for an invention for—"Improvements in wood-cutting machinery." Letters Patent sealed.

THOMPSON.
11th September 1868.

2799. WILLIAM THOMPSON, of No. 85, Lower Gardiner Street, in the City of Dublin, and of Clare Hall, in the County of Dublin, Ireland, Merchant, for an invention for—"Improvements in machinery or apparatus for sifting, cutting and mixing tea." Provisional protection only.

GODFREY.
11th September 1868.

2800. BENJAMIN DAVENPORT GODFREY, of Milford, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the mode of and means for securing soles upon boots and shoes, part of which improvements are applicable to other purposes." Provisional protection only.

HUDSON.
11th September 1868.

2801. ISAAC HUDSON, of Stockport, in the County of Chester, for an invention for—"Certain improvements in self-acting 'tilts' for casks, barrels or other receptacles." Provisional protection only.

BULLOUGH.
11th September 1868.

2802. JOHN BULLOUGH, of the firm of Howard and Bullough, of Accrington, in the County of Lancaster, for an invention for—"Improvements in warping or beaming machines." Provisional protection only.

HUGHES.
11th September 1868.

2803. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved mode of annealing gauze wire."—*A communication to him from abroad by Jean Delage and Alfred Boudinot, of Angoulême, in the Empire of France.* Letters Patent sealed.

GARDIVER.
FAULKNER.
11th September 1868.

2804. BENJAMIN GARDIVER, of Thornbury, Bradford, in the County of York, and TOM HENRY FAULKNER, of 22, Milk Street, in the City of London, for an invention for—"Improvements in the manufacture of umbrellas and parasols, and in the production of fabrics suitable for use in this manufacture and for other purposes." Provisional protection only.

BISCHOF.
11th September 1868.

2805. GUSTAV BISCHOF, junior, of 14, Toppelsdorfer Allée, Bonn, in the Kingdom of Prussia, for an invention for—"Improvements in the precipitation and separation of copper from its solutions." Letters Patent sealed.

ROBERTS.
11th September 1868.

2806. JOHN ROBERTS, of No. 49, King William Street, in the City of London, Merchant, for an invention for—"An improved portable stove." Letters Patent sealed.

ROBERTS.
11th September 1868.

2807. JOHN ROBERTS, of No. 49, King William Street, in the City of London, Merchant, for an invention for—"Improvements in shoes for horses and other quadrupeds." Provisional protection only.

BOWER.
HOLLINSHEAD.
11th September 1868.

2808. GEORGE BOWER, of St. Neots, in the County of Huntingdon, Gas and Waterwork Engineer, and WILLIAM HOLLINSHEAD, of the same place, Engineer, for an invention for—"Improvements in gas-engines." Letters Patent sealed.

HENRY.
11th September 1868.

2809. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for weighing, and also in cranes or lifting apparatus combined with weighing apparatus."—*A communication to him from abroad by Pierre Michaud and Louis Joseph Jay, both of 17, Boulevard Saint Martin, Paris, France.* Letters Patent sealed.

WOODCOCK.
12th September 1868.

2810. HENRY BROOK WOODCOCK, of Low Moor, in the County of York, Forge Manager, for an invention for—"A new manufacture of metal for axles, rails, tyres and other purposes." Letters Patent sealed.

- TURNER.
12th September 1868. 2811. CHARLES TURNER, of Preston, in the County of Lancaster, for an invention for—"Certain improvements in furnaces." *Provisional protection only.*
- RODGER.
12th September 1868. 2812. ALEXANDER WYLLIE RODGER, of Stewarton, in the County of Ayr, North Britain, for an invention for—"Improvements in caps or bonnets." *Provisional protection only.*
- WARNER.
12th September 1868. 2813. FREDERICK WARNER, of Jewin Crescent, in the City of London, Engineer, for an invention for—"Improvements in constructing bore-holes or wells, and in pumps to be used therewith and for other purposes." *Letters Patent sealed.*
- TURNER.
12th September 1868. 2814. EDWARD TURNER, of No. 20, Thrissell Street, Easton Road, St. Philip's, Bristol, for an invention for—"Improvements in packing for pistons, piston rods, and other parts of machinery requiring to be similarly packed." *Letters Patent sealed.*
- LAKE.
12th September 1868. 2815. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for manufacturing brushes."—*A communication to him from abroad by Joseph Sheldon, of New Haven, Connecticut, United States of America.* *Letters Patent sealed.*
- COOMBE.
GREGG.
12th September 1868. 2816. JAMES CANE COOMBE, of Alfred Street, Barnsbury, in the County of Middlesex, Chemist, and ST. GEORGE GREGG, of Lombard Street, in the City of London, for an invention for—"Improvements in coating iron and steel, and protecting such surfaces from the corrosive action of sea or salt water and the oxidizing influences of damp air, wet and moisture." *Provisional protection only.*
- COPPARD.
14th September 1868. 2817. JOHN COPPARD, residing at 44, Lower Park Street, in the County of Middlesex, for an invention for—"Improvements in the construction of machines for mincing meat and other substances." *Letters Patent sealed.*
- LAKE.
14th September 1868. 2818. WILLIAM ROBERT LAKE, of the "International Patent Office, No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved substitute for hair stuffing, and mode of manufacturing the same from vegetable fibres."—*A communication to him from abroad by Nathan W. Blanchard, of Dutch Flat, California, United States of America.* *Provisional protection only.*
- BROOMAN.
14th September 1868. 2819. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of metallic plates or blocks particularly applicable as armour for ships, forts and other like structures."—*A communication to him from abroad by Eugene Frederic Goguel, of St. Etienne, France.* *Provisional protection only.*
- SEEBOHM-ULTZEN.
14th September 1868. 2820. FREDERIC SEEBOHM-ULTZEN, of the Westminster Palace Hotel, Victoria Street, in the County of Middlesex, for an invention for—"Improved apparatus for generating carbonic acid, applicable to beer casks and other vessels, for preserving, raising and transferring their contents."—*A communication to him from abroad by Haas-Demrath, of Bockenheim, Frankfort-on-the-Maine, in the Kingdom of Prussia.* *Provisional protection only.*
- POMMIER.
14th September 1868. 2821. CHARLES EMILE POMMIER, of 2, Rue Sainte-Appoline, Paris, in the Empire of France, Chemist, for an invention for—"An improved size or compound for treating or sizing paper." *Letters Patent sealed.*
- SOUL.
14th September 1868. 2822. MATTHEW AUGUSTUS SOUL, of No. 3, Leadenhall Street, in the City of London, Patent Agent, for an invention for—"Improvements in spring pendulums for chronometers and clocks."—*A communication to him from abroad by Christian Johann Heinrich Carl George August Voss and William Walter James Monnington, both of the City of Hamburg.* *Letters Patent sealed.*
- PINFOLD.
14th September 1868. 2823. JONATHAN DUMBLETON PINFOLD, of Rugby, in the County of Warwick, Engineer, for an invention for—"Improvements in machinery or apparatus for grinding grain and in the means for driving or actuating the same." *Letters Patent sealed.*
- HETHERINGTON.
14th September 1868. 2824. JOSEPH HETHERINGTON, of the City of Manchester, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in or applicable to machines for winding yarn or thread." *Provisional protection only.*

TURNBULL. 14th September 1868.	2825. HENRY JOHN TURNBULL, of Sunderland, in the County of Durham, Chemist, for an invention for—"Improvements in preserving and keeping clean the bottoms of iron ships and also iron submerged, and iron structures exposed to the action of the atmosphere or water." <i>Letters Patent sealed.</i>
TENWICK. 14th September 1868.	2826. JOHN TENWICK, of Bedford, in the County of Bedford, Moulder, for an invention for—"Improvements in the construction of annealing ovens and kilns." <i>Provisional protection only.</i>
HEWES. 14th September 1868.	2827. JOSEPH HEWES, 43A, Upper Manor Street, Chelsea, in the County of Middlesex, Mechanical Engineer, for an invention for—"An apparatus for day or night advertising on land or afloat." <i>Provisional protection only.</i>
CLARK. 14th September 1868.	2828. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for drawing off or bottling liquids."— <i>A communication to him from abroad by David Perret, Machinist, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
VICKERS. 15th September 1868.	2829. EDWARD VICKERS, of Compton Street, Goswell Road, in the County of Middlesex, for an invention for—"Improvements in the manufacture of hats and caps and other coverings for the head." <i>Provisional protection only.</i>
ABEL. 15th September 1868.	2830. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the means and apparatus for securing buttons to articles of dress."— <i>A communication to him from abroad by Jacob Rothberger, Clothier and Court Contractor, of Vienna, in the Empire of Austria.</i> <i>Letters Patent sealed.</i>
BENSON. 15th September 1868.	2831. MARTIN BENSON, of 14, Hinde Street, Manchester Square, in the County of Middlesex, for an invention for—"Improvements in steam pumping machinery or engines."— <i>A communication to him from abroad by James Riley Maxwell and Ezra Cope, of Cincinnati, Ohio, United States, North America.</i> <i>Letters Patent sealed.</i>
SARJEANT. 15th September 1868.	2832. ENOCH SARJEANT, of Birmingham, in the County of Warwick, Metal Worker, for an invention for—"Improvements in the manufacture of gaseliers, gas pendants, gas brackets, gas standards and other gas fittings." <i>Letters Patent sealed.</i>
JEWITT. 15th September 1868.	2833. HENRY JEWITT, of Kentish Town, in the County of Middlesex, for an invention for—"A new toy representing game-cocks or other birds or animals in the act of fighting."— <i>A communication to him from abroad by William W. Rose, of New York, United States of America.</i> <i>Provisional protection only.</i>
DE BERGUE. 15th September 1868.	2834. CHARLES DE BERGUE, of 10, Strand, in the City of Westminster, Engineer, for an invention for—"Improvements in gas cooking stoves." <i>Letters Patent sealed.</i>
BRADY. 5th September 1868.	2835. FRANCIS BRADY, of 6, St. John's Terrace, North Gate, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in sweeping machines and in excavating machines." <i>Letters Patent sealed.</i>
SCHUCHT. 15th September 1868.	2836. JOHN HENRY SCHUCHT, of No. 14, Store Street, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in the construction of pianofortes, violins, guitars, organs and other similar musical instruments." <i>Letters Patent sealed.</i>
CAMPION. HALL. 15th September 1868.	2837. WILLIAM CAMPION, and GEORGE HALL, both of the Town and County of the Town of Nottingham, for an invention for—"Improvements in means or apparatus for washing or bleaching various articles." <i>Provisional protection only.</i>
EDMONDSON. 15th September 1868.	2838. JAMES EDMONDSON, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the method of fastening or securing the metallic hoops used in packing bales." <i>Letters Patent sealed.</i>
DAVIES. 15th September 1868.	2839. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved machine for hulling and cleaning or polishing coffee, rice and other grain."— <i>A communication to him from abroad by James Fowle Baldwin Marshall and Augustus Jones, both of Boston, Massachusetts, in the United States of America.</i> <i>Provisional protection only.</i>
MARTIN. 15th September 1868.	2840. ROBERT MARTIN, of Westminster Bridge Road, in the County of Surrey, Dealer in India-rubber goods, for an invention for—"An improved apparatus for scraping and otherwise cleaning boots and shoes." <i>Letters Patent sealed.</i>

- ROOKER.**
15th September 1868. **2841.** ALFRED ROOKER, of East Street, Lamb's Conduit Street, in the County of Middlesex, for an invention for—"An improvement in curtain rings."
Letters Patent sealed.
- LAKE.**
15th September 1868. **2842.** WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved covering for walls, ceilings and other surfaces."—*A communication to him from abroad by Frederick Woolcot Armstrong, of Plainfield, New Jersey, United States of America.*
Provisional protection only.
- HEUSSER.**
15th September 1868. **2843.** EDWARD HEUSSER, of Jewin Crescent, in the City of London, Manufacturer, for an invention for—"Improvements in fastenings and locks for travelling bags, pocketbooks, writing cases and other receptacles." *Provisional protection only.*
- DURHAM.**
15th September 1868. **2844.** WILLIAM DURHAM, of Currie, in the County of Mid Lothian, North Britain, for an invention for—"An improved mode of preserving or protecting from corrosion wire webs and strainer plates used in the manufacture of paper."
Letters Patent sealed.
- HODSON.**
15th September 1868. **2845.** RICHARD HODSON, of West Ham, in the County of Essex, Engineer, for an invention for—"An improved construction of punching machine."
Provisional protection only.
- HAVARD.**
HARMONY.
16th September 1868. **2846.** CHARLES HAVARD, and MANUEL XIMENO HARMONY, both of New York, United States of America, but at present of Royal Hotel, Blackfriars, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus for preserving meat, fowls, fish, eggs, fruit, vegetables and other animal or vegetable matter."
Provisional protection only.
- ORRIN.**
GEER.
16th September 1868. **2847.** JOSEPH ORRIN, and THOMAS GEER, both of Little Britain, in the County of Middlesex, Bookbinders, for an invention for—"Improvements in the method of and apparatus for cutting the edges of books, which apparatus is also applicable for cutting the edges of note paper and for other similar uses." *Letters Patent sealed.*
- HORROCKS.**
16th September 1868. **2848.** JOHN HORROCKS, of Ainsworth, in the County of Lancaster, for an invention for—"Certain improvements in looms for weaving."
Provisional protection only.
- GREENWOOD.**
16th September 1868. **2849.** FREDERICK FRANCIS GREENWOOD, of Hornsey, in the County of Middlesex, Gentleman, for an invention for—"Improvements in fastenings in the nature of buckles." *Letters Patent sealed.*
- SAMSON.**
16th September 1868. **2850.** GEORGE ROBERT SAMSON, of 30, Wells Street, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in the construction of pianofortes." *Provisional protection only.*
- WALMSLEY.**
16th September 1868. **2851.** JOHN WALMSLEY, of Preston, in the County of Lancaster, Clerk of Works, for an invention for—"Improvements in means for establishing a communication between the guards and the 'drivers' of railway trains, and between the guards and the passengers in the said trains." *Provisional protection only.*
- MARRIAN.**
16th September 1868. **2852.** HENRY MARRIAN, of King's Heath, in the County of Worcester, Manufacturer, for an invention for—"Improvements in weighing machines." *Provisional protection only.*
- DE MASY.**
16th September 1868. **2853.** JOSEPH DE MASY, of Rue de la Montagne, Bruxelles, in the Kingdom of Belgium, Mechanician, for an invention for—"Improvements in cases for holding railway tickets, and in mechanism for withdrawing railway tickets from the said cases." *Letters Patent sealed.*
- CLARK.**
16th September 1868. **2854.** ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in electro magnets."—*A communication to him from abroad by Félix Gruet and Frédéric Gruet, both of 13, Boulevard St. Martin, Paris.*
Provisional protection only.
- SHARPE.**
16th September 1868. **2855.** GEORGE BRERETON SHARPE, of Llanelwedd Buith, South Wales, for an invention for—"Improvements in the construction of fire-grates." *Letters Patent sealed.*
- SPENCE.**
KELLY.
16th September 1868. **2856.** JOHN BERGER SPENCE, and RICHARD ROPER KELLY, of Manchester, in the County of Lancaster, Merchants, for an invention for—"A new manufacture of pigments." *Provisional protection only.*

BETTS. 16th September 1868.	2857. WILLIAM BETTS, of No. 1, Wharf Road, City Road, in the County of Middlesex, Capsule Manufacturer, for an invention for—"Improvements in machinery or apparatus for capsuling bottles, jars and other like receptacles." <i>Letters Patent sealed.</i>
DEA. 16th September 1868.	2858. ROGER DEA, of Birmingham, in the County of Warwick, Mill Manager, for an invention for—"A combination pulverizing plough." <i>Provisional protection NOT allowed.</i>
LAKE. 16th September 1868.	2859. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in the manufacture of heads for dolls and for other toys."— <i>A communication to him from abroad by George H. Hawkins, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BEARDS. 17th September 1868.	2860. THOMAS BEARDS, of Stowe Park, near Buckingham, in the County of Buckingham, for an invention for—"An improved steam plough." <i>Letters Patent sealed.</i>
DAVEY. 17th September 1868.	2861. JOHN DAVEY, of Crofthole, in the Parish of Sheviok, in the County of Cornwall, Agricultural Implement Manufacturer, for an invention for—"Improvements in the construction of ploughs." <i>Letters Patent sealed.</i>
WATTS. 17th September 1868.	2862. WILLIAM THOMAS WATTS, of Birmingham, in the County of Warwick, Metal Dealer, for an invention for—"Improvements in annealing raised hollow vessels." <i>Letters Patent sealed.</i>
NEWTON. 17th September 1868.	2863. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for raising water and other fluids."— <i>A communication to him from abroad by Henry Clark Sergeant, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
CAMPBELL. 17th September 1868.	2864. ALEXANDER FRANCIS CAMPBELL, of Great Plumstead, in the County of Norfolk, Gentleman, for an invention for—"Improvements in the construction of ships for carrying passengers, merchandise, fish, cattle, iron, wine and cargo of all kinds at sea and in rivers, such improvements being applicable in part for war and other ships." <i>Letters Patent sealed.</i>
LAKE. 17th September 1868.	2865. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in explosive compounds."— <i>A communication to him from abroad by Joseph Hafenegger, of San Francisco, California, United States of America.</i> <i>Letters Patent sealed.</i>
WILSON. 17th September 1868.	2866. HENRY WILSON, of Stockton-on-Tees, in the County of Durham, for an invention for—"Improvements in engines worked by hydraulic fluid or steam power, and in mechanism or apparatus used in regulating the supply of water or other fluids, the same being applicable amongst other uses, to waterclosets, lavers and gas pipes, for the prevention of waste of water, gas or other fluids." <i>Letters Patent sealed.</i>
BARTH. 17th September 1868.	2867. GEORGE HARMAN BARTH, Chymist, of the Lodge, No. 111, Westbourne Grove, Bayswater, in the County of Middlesex, for an invention for—"Improvements in apparatus for administering and supplying and purifying gases or vapours for medicinal and other purposes." <i>Letters Patent sealed.</i>
JONES. JONES. BRANDWOOD. WREN. 17th September 1868.	2868. THOMAS JONES, JOSEPH JONES, JAMES BRANDWOOD, and JOHN WREN, all of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in furnaces applicable to boilers for generating steam or other purposes." <i>Letters Patent sealed.</i>
JOHNSON. 17th September 1868.	2869. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the combustion of liquid fuel and in the furnaces and apparatus employed therein."— <i>A communication to him from abroad by Clement Sauvage, of Paris, in the Empire of France, Engineer.</i> <i>Letters Patent sealed.</i>

- JOHNSON.**
17th September 1868. 2870. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved mode of advertising and improved envelopes to be used therein."—*A communication to him from abroad by Noel Auguste Sustrac, of Paris, in the Empire of France.* Letters Patent sealed.
- SMITH.**
17th September 1868. 2871. ROBERT SMITH, of Compton Road, Islington, in the County of Middlesex, Shipowner, for an invention for—"Improvements in the means employed for preventing the fouling of iron and other ships' bottoms." Letters Patent sealed.
- CLISSOLD.**
17th September 1868. 2872. WILLIAM CLISSOLD, of Dudbridge Works, near Stroud, in the County of Gloucester, Engineer, for an invention for—"Improved machinery for feeding wool and other fibres to preparing and carding-machines." Letters Patent sealed.
- HEAD.**
17th September 1868. 2873. JOHN HEAD, of the firm of Ransomes and Sims, of Ipswich, in the County of Suffolk, Engineers, for an invention for—"Improvements in constructing wire fences and in apparatus used therein."—*A communication to him from abroad by William Archibald Murray, of Waitahuna, Otago, New Zealand.* Letters Patent sealed.
- HUDSON.**
18th September 1868. 2874. CHARLES HENRY HUDSON, of the City, County, and State of New York, United States of America, Manufacturer, for an invention for—"Certain improvements in washing apparatus." Letters Patent sealed.
- HUGHES.**
18th September 1868. 2875. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in wringing machines."—*A communication to him from abroad by Charles Henry Hudson, of the City, County, and State of New York, United States of America.* Letters Patent sealed.
- CROSS.**
18th September 1868. 2876. WILLIAM CROSS, of 22, Jonson Place, Parish of Paddington, County of Middlesex, Coachmaker, for an invention for—"Improvements in carriage door stops." Letters Patent sealed.
- VANSITTART.**
18th September 1868. 2877. HENRIETTA VANSITTART, of Richmond, in the County of Surrey, for an invention for—"Improvements in the construction of screw propellers." Letters Patent sealed.
- CLARK.**
18th September 1868. 2878. WILLIAM CLARK, of 75, Baker Street, Portman Square, in the County of Middlesex, for an invention for—"Manufacturing spring boots for horses." Provisional protection NOT allowed.
- TEMPELHOFF.**
18th September 1868. 2879. EDUARD TEMPELHOFF, of Dombrowka, near Posna, in the Kingdom of Prussia, Proprietor, for an invention for—"A potato planting machine." Letters Patent sealed.
- HUGHES.**
18th September 1868. 2880. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in apparatus for grinding, smoothing and polishing glass, marble and other similar substances."—*A communication to him from abroad by the Incorporated Society of Mirror and Glass Workers, of Hainault, in the Kingdom of Belgium.* Provisional protection only.
- NEEDHAM.**
KITE.
18th September 1868. 2881. WILLIAM NEEDHAM, and JAMES KITE, both of Vauxhall, in the County of Surrey, Engineers, for an invention for—"Improvements in machinery or apparatus for depurating fluids." Letters Patent sealed.
- SMITH.**
DEWDNEY.
18th September 1868. 2882. JOHN SMITH, and JAMES DEWDNEY, both of No. 27, Leadenhall Street, in the City of London, for an invention for—"Improvements in steam-boilers." Letters Patent sealed.
- HUGHAN.**
19th September 1868. 2883. WILLIAM HENRY HUGHAN, of Newton Stewart, North Britain, Postmaster and Guano and Seed Merchant, for an invention for—"Improvements in the treatment of night soil, sewage and other like refuse matters for the purpose of deodorising and converting the same into manure." Letters Patent sealed.
- BERNHARDT.**
19th September 1868. 2884. GEORGE BERNHARDT, of the firm of J. C. Milns and Co., Radcliffe, in the County of Lancaster, Spinners and Manufacturers, for an invention for—"Improvements in or applicable to machines for preparing, spinning and doubling fibrous materials." Letters Patent sealed.

BERNEY. 19th September 1868.	2885. THOMAS BERNEY, of Bracon Hall, in the County of Norfolk, Clerk, for an invention for—"Improvements in the construction, forms and means of applying defensive armour, and in the forms and in the use of some parts thereof, and also in the construction and use of apparatus for effecting the above purposes, for the defence of ships and other vessels, forts, batteries and other fortifications, parts of which improvements are applicable to other purposes." <i>Provisional protection only.</i>
MACDERMOTT. 19th September 1868.	2886. MARTIN MACDERMOTT, of 18, Edwardes Square, Kensington, in the County of Middlesex, Architect, for an invention for—"A new street-lamp reflector." <i>Provisional protection only.</i>
BLAKEY. 19th September 1868.	2887. JOHN BLAKEY, of Leeds, in the County of York, Bootmaker, for an invention for—"Improved apparatus for stretching and repairing boots and shoes." <i>Letters Patent sealed.</i>
DYER. 19th September 1868.	2888. FREDERICK DYER, of No. 66, High Street, Camden Town, in the County of Middlesex, for an invention for—"Improvements in the method of and apparatus for supplying bath rooms and other parts of dwelling houses and similar buildings with hot water." <i>Letters Patent sealed.</i>
HAYNES. 19th September 1868.	2889. WILLIAM HAYNES, of Middle Hutton, near Bolton, in the County of Lancaster, Leather Dresser, for an invention for—"Improvements in machinery or apparatus to be used in the several processes of dressing leather." <i>Letters Patent sealed.</i>
BROWN. 19th September 1868.	2890. JOHN BROWN, of Bay Hall, near Huddersfield, in the County of York, Dyer and Finisher, for an invention for—"Improved means or apparatus for extracting water or other liquids from raw material or manufactured goods of wool, cotton, silk, flax or other fibrous materials." <i>Provisional protection only.</i>
DESENS. 19th September 1868.	2891. LOUIS DESENS, of No. 31, Charing Cross, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of miners' safety lamps." <i>Provisional protection only.</i>
INNES. 19th September 1868.	2892. GEORGE INNES, of Woodpecker Road, New Cross, in the County of Kent, for an invention for—"Improvements in rifling machines." <i>Provisional protection only.</i>
DICKINSON. 19th September 1868.	2893. BENJAMIN DICKINSON, of Hopetown, Darjeeling, India, Tea-Planter, for an invention for—"Improvements in treating the leaves of the tea-plant and other similar materials, and in machinery and apparatus to be employed therefor." <i>Letters Patent sealed.</i>
DICKINSON. 19th September 1868.	2894. BENJAMIN DICKINSON, of Hopetown, Darjeeling, India, Tea-Planter, for an invention for—"Improvements in withering and desiccating the leaves and flowers of plants and other vegetable substances, and in the apparatus to be employed therein." <i>Letters Patent sealed.</i>
JARVIE. MILLER. 19th September 1868.	2895. NEDRICK JARVIE, of Greenwich, in the County of Kent, and WILLIAM MILLER, of Glasgow, in the County of Lanark, for an invention for—"Improvements in apparatus for the manufacture of oakum, tow and similar materials." <i>Provisional protection only.</i>
FOSTER. 19th September 1868.	2896. HARRY FOSTER, of Neckinger Mills, Bermondsey, in the County of Surrey, Leather Manufacturer, for an invention for—"Improvements in graining and bruising leather, and in machinery or apparatus to be employed for such purpose." <i>Provisional protection only.</i>
SANDERS. 19th September 1868.	2897. GEORGE SANDERS, of Birmingham, in the County of Warwick, Clerk in the Bank of England, for an invention for—"Improvements in safety valves."— <i>A communication to him from abroad by Richard David Sanders, of Bombay, East Indies, Mechanical Engineer.</i> <i>Letters Patent sealed.</i>
JOHNSON. 19th September 1868.	2898. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for lighting and regulating the flow of gas employed for illuminating purposes."— <i>A communication to him from abroad by Arthur Barbarin, of New Orleans, State of Louisiana, United States of America.</i> <i>Letters Patent sealed.</i>
WOODCOCK. 19th September 1868.	2899. WILLIAM COCKILL WOODCOCK, of Owlerton, in the Township of Nether Hallam and Parish of Sheffield, Miller and Grocer, for an invention for—"An improvement in the construction of bakers' ovens." <i>Letters Patent sealed.</i>

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| <p>WILEY.
21st September 1868.</p> | <p>2900. WILLIAM EDWARD WILEY, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the construction of cartridges for breech-loading fire-arms." <i>Provisional protection only.</i></p> |
| <p>STEVENSON.
21st September 1868.</p> | <p>2901. NATHANIEL STEVENSON, of Wimpole Street, in the County of Middlesex, Gentleman, for an invention for—"A novel method of working ornamental fountains." <i>Letters Patent sealed.</i></p> |
| <p>WHEELER.
21st September 1868.</p> | <p>2902. CHARLES WHEELER, of Speenhamland, in the County of Berks, Smith and Ironmonger, for an invention for—"Improvements in apparatus, taps or joints for turning on and cutting off the supply of liquids and fluids." <i>Letters Patent sealed.</i></p> |
| <p>LORKIN.
21st September 1868.</p> | <p>2903. JEREMIAH LORKIN, of Norwood, in the County of Surrey, Gentleman, for an invention for—"Improvements in coffee pots, tea pots and other similar vessels." <i>Provisional protection only.</i></p> |
| <p>STOCKMANN.
21st September 1868.</p> | <p>2904. PAUL EMIL LOUIS WILHELM STOCKMANN, of Keppel Street, Russel Square, in the County of Middlesex, for an invention for—"Improvements in tents." <i>Letters Patent sealed.</i></p> |
| <p>KIRK.
BATSTONE.
21st September 1868.</p> | <p>2905. JOHN KIRK, of Woolwich, in the County of Kent, Contractor, and JOHN BATSTONE, of the City of Westminster, Surveyor, for an invention for—"An improved method of fixing or attaching armour plates to vessels, fortifications and other structures." <i>Letters Patent sealed.</i></p> |
| <p>PITON.
21st September 1868.</p> | <p>2906. JOHN GEORGE PITON, of "The Jerusalem Coffee House," Cowper's Court, Cornhill, in the City of London, Master Mariner, for an invention for—"An improved mode of bushing the sheaves of blocks employed for lifting heavy weights, also of bushing rollers intended to carry heavy weights, to enable such said sheaves and rollers to move more freely and render them more durable." <i>Letters Patent sealed.</i></p> |
| <p>VERO.
21st September 1868.</p> | <p>2907. CHARLES VERO, of Atherstone, in the County of Warwick, Hat Manufacturer, for an invention for—"Improvements in the manufacture of hats and coverings for the head." <i>Letters Patent sealed.</i></p> |
| <p>FOX.
21st September 1868.</p> | <p>2908. SAMUEL FOX, of Stocksbridge Works, Deepcar, near Sheffield, in the County of York, for an invention for—"Improvements in the manufacture of umbrellas and sun-shades or parasols." <i>Letters Patent sealed.</i></p> |
| <p>FOX.
22nd September 1868.</p> | <p>2909. FRANCIS WILLIAM FOX, of Atlas Iron Works, near Bristol, in the County of Gloucester, for an invention for—"Improvements in locomotive engines and carriages for railways." <i>Provisional protection only.</i></p> |
| <p>GROUT.
22nd September 1868.</p> | <p>2910. WILLIAM HENRY JAMES GROUT, of No. 19, Havering Street, Commercial Road, E., in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of apparatus and moulds for the manufacture of tobacco pipes and other similar articles." <i>Letters Patent sealed.</i></p> |
| <p>WISE.
22nd September 1868.</p> | <p>2911. WILLIAM LLOYD WISE, of the firm of Francis Wise and Company, of Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineers and Patent Agents, for an invention for—"An improved axle-box for railway carriage and other similar axles."—<i>A communication to him from abroad by Wilhelm Basson and Ferdinand Lüdecke, both of Berlin, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i></p> |
| <p>MURPHY.
O'HEA.
22nd September 1868.</p> | <p>2912. WILLIAM JEREMIAH MURPHY, of Richmond, in the County of the City of Cork, Brewer, and JOHN BRYAN O'HEA, of Greenwich, in the County of Kent, Esquire, late Captain in Her Majesty's Twenty-fifth Regiment, for an invention for—"Improvements in the manufacture of rifled barrels for small arms and ordnance, and in apparatus to be employed in such manufacture." <i>Letters Patent sealed.</i></p> |
| <p>BROOMAN.
22nd September 1868.</p> | <p>2913. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in apparatus for registering the speed of ships and vessels, and of streams."—<i>A communication to him from abroad by Armand Banaré, of 23, Boulevard de Strasbourg, Paris, France.</i> <i>Provisional protection only.</i></p> |

SCOTT. 22nd September 1868.	2014. BERTIE CHARLES SCOTT, of Anglesey House, Spring Grove, Kingston, in the County of Surrey, for an invention for—"Improvements in the construction of measures used by publicans, chemists and others, for measuring liquids." <i>Provisional protection only.</i>
LEATHAM. 22nd September 1868.	2015. WILLIAM LEATHAM, of Brookfield Works, Hunslet Road, Leeds, in the County of York, Mechanical Engineer, for an invention for—"Improvements in apparatus for preventing accidents to steam-boilers, and for drawing off steam therefrom or reducing the pressure of such steam, also in apparatus for drawing off water produced by the condensation of steam from pipes or vessels containing steam under pressure." <i>Letters Patent sealed.</i>
HARLING. 22nd September 1868.	2016. ROBERT HARLING, of Silvertown, in the County of Essex, Telegraph Instrument Maker, for an invention for—"Improvements in telegraphic instruments." <i>Letters Patent sealed.</i>
LUCAS. GRIMSHAW. 23rd September 1868.	2017. THOMAS LUCAS, of Bury, in the County of Lancaster, and WILLIAM GRIMSHAW, of Ashton-under-Lyne, in the said County, Hat and Felt Manufacturers, for an invention for—"Improvements in the preparation of wool to be felted." <i>Provisional protection only.</i>
CALVERT. 23rd September 1868.	2018. FREDERICK CRACE CALVERT, of the City of Manchester, Analytical Chemist, for an invention for—"Certain improvements in dyeing and printing yarns and fabrics." <i>Provisional protection only.</i>
PRENTICE. 23rd September 1868.	2019. EDWARD HENRY PRENTICE, of Stowmarket, in the County of Suffolk, for an invention for—"Improvements in treating sewage and impure or polluted waters, and in the preparation of materials to be employed for that purpose." <i>Provisional protection only.</i>
MACINTOSH. BOGGETT. 23rd September 1868.	2020. JOHN MACINTOSH, of North Bank, Regent's Park, and WILLIAM BOGGETT, of Lindsey Houses, Chelsea, both in the County of Middlesex, for an invention for—"Improvements in the application of elastic fillets, cords or bands to boots and shoes and other articles of wearing-apparel." <i>Provisional protection only.</i>
HALLIDAY. 23rd September 1868.	2021. EDMUND WILLIAM HALLIDAY, of Saint Peter's Wharf, Hammersmith, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for lubricating cylinders, shafts and the rubbing parts of machinery generally." <i>Letters Patent sealed.</i>
LOMAX. 23rd September 1868.	2022. HENRY LOMAX, of Over Darwen, in the County of Lancaster, Tailor and Draper, for an invention for—"Improvements in the construction of sewing-machines or machines used for the sewing of woollen, cotton, silk or other fabrics, or in the making of garments or parts of garments therefrom, or other like work." <i>Letters Patent sealed.</i>
KENDALL. 23rd September 1868.	2023. HENRY JOHN BROUGHTON KENDALL, of Great Winchester Street, in the City of London, Merchant, for an invention for—"A new or improved preservative paint or composition for protecting ships' bottoms, preserving submarine wood-work and other useful purposes."— <i>A communication to him from abroad by William F. Babcock, a person resident at San Francisco, California, in the United States of America.</i> <i>Provisional protection only.</i>
BARCLAY. 23rd September 1868.	2024. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, for an invention for—"Improvements in barometers and thermometers, and in their combination with watches, clocks and other instruments." <i>Letters Patent sealed.</i>
BOOTH. HARRISON. 23rd September 1868.	2025. ALLEN BOOTH, of Staleybridge, in the County of Lancaster, and JOHN HARRISON, of the same place, Bootmakers, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
GLEW. 23rd September 1868.	2026. JOHN HENRY GLEW, of the City Road, in the County of Middlesex, for an invention for—"Improvements in button holes for boots, shoes, gaiters and other articles." <i>Letters Patent sealed.</i>
HEPTONSTALL. 23rd September 1868.	2027. CHARLES HEPTONSTALL, of Kirkburton, near Huddersfield, in the County of York, Corset Manufacturer, for an invention for—"Improvements in looms for weaving." <i>Complete specification: Letters Patent sealed.</i>

- THOMAS.
23rd September 1868. 2928. WILLIAM THOMAS, of Number 5, Ellinor Street, in the Town and County of Carnarvon, Engineer, for an invention for—"Improvements in the construction of circular saws or cutters more especially applicable for cutting slate and stone."
Letters Patent sealed.
- WIER.
WIER.
24th September 1868. 2929. ARTHUR McNUTT WIER, and MARSHALL ARTHUR WIER, both of Elm Lodge, Newton Road, Bayswater, in the County of Middlesex, for an invention for—"Improvements in pneumatic apparatus employed in transmitting motive-power for signalling and indicating or for other purposes."
Letters Patent sealed.
- WOODS.
24th September 1868. 2930. HAMILTON WOODS, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for heating water by means of steam."
Letters Patent sealed.
- HENGST.
WATSON.
MUSCHAMP.
WILSON.
24th September 1868. 2931. CHARLES HENGST, of Fulham Road, in the Parish of Chelsea, in the County of Middlesex, Engineer, HENRY WATSON, of the same place, Gasfitter, JOHN BELL MUSCHAMP, of 68, Upper Thames Street, in the City of London, Paper Manufacturer, and NEWTON WILSON, of 144, High Holborn, in the County of Middlesex, Sewing-Machine Manufacturer, for an invention for—"Improvements in the manufacture of carburetted hydrogen or luminous gas."
Letters Patent sealed.
- DUNN.
24th September 1868. 2932. WILLIAM DUNN, of 3, Hope Terrace, Newington Green, late of Little Cross Street, Islington, for an invention for—"An improved method of and means for connecting pipes, tubes, cocks and other similar articles."
Provisional protection only.
- DEATH.
ELLWOOD.
24th September 1868. 2933. EPHRAIM DEATH, and JOHN ELLWOOD, both of Leicester, Engineers and Copartners, for an invention for—"Improvements in pumping apparatus."
Provisional protection only.
- DEATH.
ELLWOOD.
24th September 1868. 2934. EPHRAIM DEATH, and JOHN ELLWOOD, both of Leicester, Engineers and Copartners, for an invention for—"Improvements in apparatus for cutting leather, wood, paper, card or other material."
Letters Patent sealed.
- COWAN.
24th September 1868. 2935. DAVID COWAN, of 115, Long Acre, in the County of Middlesex, for an invention for—"Improvements in float valves for the admission of hot and cold water and other fluids into and out of cisterns."
Provisional protection only.
- FRY.
24th September 1868. 2936. JAMES FRY, Perambulator Manufacturer, of 43, Stephen Street, Lisson Grove, Marylebone, in the County of Middlesex, for an invention for—"Improvements in the manufacture of wheels for carriages, carts and all other wheeled vehicles."
Letters Patent sealed.
- CATLOW.
24th September 1868. 2937. CHRISTOPHER CATLOW, of Burnley, in the County of Lancaster, Overlooker, for an invention for—"Improvements in looms for weaving."
Provisional protection only.
- WANNER.
24th September 1868. 2938. JAMES FRANCIS WANNER, of Charles Street, Middlesex Hospital, in the County of Middlesex, Embroiderer, for an invention for—"Improvements in machinery for embroidering or ornamenting fabrics."—*A communication to him from abroad by Joseph Hugand, of Rue St. Sebastien, Paris, in the Empire of France.*
Letters Patent sealed.
- WATTS.
FLEETWOOD.
24th September 1868. 2939. WILLIAM THOMAS WATTS, of Birmingham, in the County of Warwick, Metal Dealer, and DANIEL JOSEPH FLEETWOOD, of the same place, Manufacturer, for an invention for—"Improvements in and applicable to hydraulic and other presses, parts of which improvements may be employed for or with other descriptions of machinery."
Letters Patent sealed.
- BAGGS.
25th September 1868. 2940. ISHAM BAGGS, of High Holborn, in the County of Middlesex, for an invention for—"Improvements in making white lead and in the means and appliances for performing the same."
Provisional protection only.
- TORBITT.
25th September 1868. 2941. JAMES TORBITT, of Belfast, in the County of Antrim, for an invention for—"Improvements in the treatment, preservation and utilization of the potatoe."
Letters Patent sealed.
- BROOMAN.
25th September 1868. 2942. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Laurent Bovy, of Liege, Belgium.*
Letters Patent sealed.

STECKEL. 25th September 1868.	2943. JOSEPH LOUIS RENÉ STECKEL, of Ottawa City, Canada, and of Serle St., Lincoln's Inn, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in wind musical instruments." <i>Provisional protection only.</i>
WRIGHT. WILLIAMS. 25th September 1868.	2944. JOHN WRIGHT, of Birmingham, in the County of Warwick, Gas Stove and Burner Manufacturer, and WILLIAM HENRY WILLIAMS, also of Birmingham, aforesaid, Machinist, for an invention for—"Certain improvements in the manufacture of gas-burners." <i>Letters Patent sealed.</i>
KEAN. 25th September 1868.	2945. PHILIP KEAN, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus used for dyeing textile fabrics." <i>Provisional protection only.</i>
SCRIVEN. HOLDSWORTH. 25th September 1868.	2946. CHARLES SCRIVEN, and WILLIAM HOLDSWORTH, both of Leeds, in the County of York, Engineers, for an invention for—"Improvements in planing, boring and slotting machinery." <i>Provisional protection only.</i>
NEWTON. 25th September 1868.	2947. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in adhesive stamps applicable for postal, internal revenue and other purposes."— <i>A communication to him from abroad by Addison Calvin Fletcher, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
RITCHIE. 25th September 1868.	2948. GEORGE RITCHIE, of Hounslow, in the County of Middlesex, for an invention for—"Improvements in sun-proof fabrics and in constructing tents, sun-shades or weather protectors." <i>Letters Patent sealed.</i>
LEDWARD. 25th September 1868.	2949. WILLIAM JELlicORSE LEDWARD, of Middlesbrough, in the County of York, Accountant, for an invention for—"Improvements in mechanical timekeepers for recording the time when workmen come to or leave their employment." <i>Provisional protection only.</i>
OXLAND. HOCKING. 25th September 1868.	2950. ROBERT OXLAND, of Plymouth, in the County of Devon, Metallurgical Chemist, and JOHN HOCKING the younger, of Redruth, in the County of Cornwall, Engineer, for an invention for—"Improvements in calcining ores and minerals." <i>Letters Patent sealed.</i>
PRÉVOST. 25th September 1868.	2951. EMILE PRÉVOST, of Notting Hill, in the County of Middlesex, Electrician, for an invention for—"Improvements in electro-magnets." <i>Provisional protection only.</i>
CARON. 26th September 1868.	2952. PAUL JOSEPH EDOUARD CARON, of Paris, in the Empire of France, Civil Engineer, for an invention for—"An improved safety apparatus for the prevention of accidents from the breaking of chains or ropes of hoisting gear." <i>Letters Patent sealed.</i>
DAVEY. 26th September 1868.	2953. HENRY DAVEY, of 9, Victoria Chambers, in the City of Westminster, Engineer, for an invention for—"Improvements in steam-engines, part of which is applicable to steam pumps." <i>Complete specification; Letters Patent sealed.</i>
JOHNSON. 26th September 1868.	2954. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by Russell Aitken, of Bombay, Engineer.</i> <i>Letters Patent sealed.</i>
SUTCLIFFE. 26th September 1868.	2955. JAMES SUTCLIFFE, of Levenshulme, near the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in warping mills and hecks." <i>Letters Patent sealed.</i>
RAMSBOTTOM. 26th September 1868.	2956. JOHN RAMSBOTTOM, of Crewe, in the County of Chester, Engineer, for an invention for—"Improvements in apparatus for communicating between the passengers, guard and engine driver of a railway train." <i>Provisional protection only.</i>
HEAP. 26th September 1868.	2957. JOSHUA HEAP, of Ashton-under-Lyne, in the County of Lancaster, Tool Maker and Engineer, for an invention for—"A new system of gearing which is applicable to lathes, drilling, shaping and screwing machines, and also applicable in all cases where an extra purchase or concentration of mechanical power is required." <i>Provisional protection only.</i>

- WHITWORTH.
PEARSON.
SMITH.
26th September 1868.
2958. CHARLES FREDERICK WHITWORTH, of Bradford, in the County of York, GEORGE PEARSON, of the same place, and WILLIAM SMITH, of the City of Manchester, in the County of Lancaster, for an invention for—"Improved apparatus for the increase of safety on inclines of railways or tramways."
Provisional protection only.
- SPENCE.
26th September 1868.
2959. PETER SPENCE, of Newton Heath, Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of copperas applicable to the purification of illuminating gas and to other purposes."
Letters Patent sealed.
- PETRIE.
26th September 1868.
2960. JOHN PETRIE, junr., of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for washing wool and other fibrous materials."
Letters Patent sealed.
- JONES.
WILKINSON.
26th September 1868.
2961. JOSHUA JONES, of Watling Street, in the City of London, Card and Paste Board Manufacturer, and GEORGE EDWARD WILKINSON, of Brunswick Place, City Road, in the County of Middlesex, for an invention for—"Improvements in the manufacture of paste and card board and in apparatus employed therein, which apparatus is also applicable to other purposes."
Letters Patent sealed.
- MORANT.
26th September 1868.
2962. GEORGE FRANCIS MORANT, of Frenchay, in the County of Gloucester, Major in the Cape Mounted Regiment of Riflemen, for an invention for—"Improvements in the manufacture of artificial fuel."
Letters Patent sealed.
- GALLET.
26th September 1868.
2963. VICTOR GALLET, of Broom Parade, Ecclesall Road, Sheffield, for an invention for—"Improvements in the manufacture of cast steel."
Letters Patent sealed.
- GIBSON.
26th September 1868.
2964. HENRY GIBSON, of Musselburgh, in the County of Mid-Lothian, North Britain, for an invention for—"Improvements in the manufacture of tobacco and in the machinery or apparatus employed therefor."
Letters Patent sealed.
- DÖERING.
26th September 1868.
2965. FREDERICK BERNARD DÖERING, of Victoria Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in machinery for boring or working in rock, stone or earth."
Letters Patent sealed.
- TANGYE.
KITCHING.
26th September 1868.
2966. JOSEPH TANGYE, of Birmingham, of the County of Warwick, Engineer, and JOHN NAINBY KITCHING, of the City and County of Dublin, Engineer, for an invention for—"Improvements in hydraulic machinery for pulling heavy weights and straightening metal shafts, bars, beams, rails and tubes."
Provisional protection NOT allowed.
- SHEPHERD.
28th September 1868.
2967. JAMES SHEPHERD, of Whitefield, in the County of Lancaster, Mechanic, for an invention for—"Improvements in apparatus for the prevention of smoke and for regulating the supply of air to furnaces."
Provisional protection only.
- ABEL.
28th September 1868.
2968. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in converting cast iron into wrought iron, and in uniting oxides and fluxes with molten cast iron."—*A communication to him from abroad by Thomas Shoenberger Blair, of the City of Pittsburg, Pennsylvania, United States of America.*
Provisional protection only.
- MCADAM.
28th September 1868.
2969. WILLIAM MCADAM, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in arrangements or apparatus for facilitating omnibus traffic, the said improvements being also applicable otherwise and relating to tramways, wheels and carriages."
Letters Patent sealed.
- GREGORY.
28th September 1868.
2970. JAMES GREGORY, of Kingswood Iron Works, near Bristol, in the County of Gloucester, Engineer and Ironfounder, for an invention for—"Improvements in apparatus for preparing and cooling animal charcoal."
Letters Patent sealed.
- BREMME.
28th September 1868.
2971. GUSTAV ALBRECHT CARL BREMME, of Liverpool, in the County of Lancaster, formerly of Unna, Westphalia, Civil Engineer, for an invention for—"Improvements in machinery for untwisting strands and other twisted or spun materials, for picking oakum, dressing fibres and other analogous purposes."
Letters Patent sealed.
- DUNCAN.
28th September 1868.
2972. ROBERT DUNCAN, of Billericay, in the County of Essex, Gentleman, for an invention for—"Improvements in earth closets and commodes."
Letters Patent sealed.

ROBINSON. 28th September 1868.	2973. JAMES ROBINSON, of Heston Farm, Heston, in the County of Middlesex, for an invention for—"Improvements in ploughs." <i>Letters Patent sealed.</i>
BRIGGS. 29th September 1868.	2974. THOMAS BRIGGS, of the City of Manchester, Tarpauling Manufacturer, for an invention for—"Improvements in connecting the ends of metal bands for securing bales, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
SMITH. 29th September 1868.	2975. JOHN SMITH, of the City of Manchester, Manufacturer, for an invention for—"Certain improvements in machinery for weaving and cutting fustians and other fabrics." <i>Letters Patent sealed.</i>
WADSWORTH. 29th September 1868.	2976. JAMES WADSWORTH, of Medlock Street, Hulme, in the City of Manchester, for an invention for—"Improved apparatus for economising fuel, and utilizing the heat produced in fire-places or stoves for warming and ventilating, and for other purposes." <i>Letters Patent sealed.</i>
GEDGE. 29th September 1868.	2977. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved swimming apparatus which may also serve as a safety belt."— <i>A communication to him from abroad by Dumont-Husson, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
CLARK. 29th September 1868.	2978. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus applicable for raising and lowering weights, hauling and other purposes."— <i>A communication to him from abroad by Jean Ventouillac and Louis Ventouillac, Boiler Makers, and Edouard Jau, Banker, all of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
IRWIN. 29th September 1868.	2979. JOHN HENRY IRWIN, of Chicago, in the County of Cook and State of Illinois, United States of America, for an invention for—"Improvements in lamps and lanterns." <i>Letters Patent sealed.</i>
HUGHES. 29th September 1868.	2980. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in gas-burners."— <i>A communication to him from abroad by Wilbur Fisk Parker, of Meriden, in the County of New Haven, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
BRANDON. 29th September 1868.	2981. ALEXANDER HORACE BRANDON, of 13, Rue Gaillon, Paris, in the Empire of France, Civil Engineer, for an invention for—"An improved watch-case spring."— <i>A communication from Charles William May, also of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
FOSTER. 29th September 1868.	2982. JOHN FOSTER the younger, of the firm of John Foster and Sons, of Black Dike Mills, Queensbury, near Halifax, in the County of York, Alpaca, Mohair and Worsted Spinners and Manufacturers, for an invention for—"A new (or improved) machine or apparatus for preparing or damping and marking paper used in the manufacture of spool tubes and cartridge cases." <i>Provisional protection only.</i>
NEWTON. 29th September 1868.	2983. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in the manufacture of boots and shoes."— <i>A communication to him from abroad by Adolph Lyngbye, of Ebeltoft, in the Kingdom of Denmark.</i> <i>Letters Patent sealed.</i>
HALLAM. MADGE. 29th September 1868.	2984. WILLIAM HALLAM, and HENRY JOSEPH MADGE, both of Upper Forest Tin Works, near Swansea, in the County of Glamorgan, Tin Plate Manufacturers, for an invention for—"Improvements in the conversion of tin plate shearings into tin plates." <i>Letters Patent sealed.</i>
HANNART. AUBERTIN. 29th September 1868.	2985. LOUIS HANNART, and NICOLAS ALPHONSE AUBERTIN the younger, both of King Street, Clerkenwell, in the County of Middlesex, for an invention for—"A new tool or mould for moulding or casting discs or wheels requiring to have letters, characters, numerals or other devices or designs, formed around or about their circumferences in metal or other materials." <i>Provisional protection only.</i>
GIRDLESTONE. GIRDLESTONE. 29th September 1868.	2986. HENRY JOHN GIRDLESTONE, and JOHN WARD GIRDLESTONE, both of Duke Street, Westminster, Civil Engineers, for an invention for—"Improvements in treating ships and vessels to correct and prevent compass deviations." <i>Provisional protection only.</i>

- HORTON.**
30th September 1868. 2987. EDWARD HORTON, of Birmingham, in the County of Warwick, Gas Chandelier Maker, for an invention for—"Certain improvements in the manufacture of chandeliers and other gas fittings, having especial reference to the pulley wheels, rosettes and balance weights, smoke shades, argand burners and other similar parts used therein."
Letters Patent sealed.
- DAWS.**
30th September 1868. 2988. GEORGE DAWS, of Penge, in the County of Surrey, for an invention for—"Improvements in machinery for opening and closing, locking and unlocking cart gates and turnstiles on railway level crossings."
Letters Patent sealed.
- GADD.**
MOORE.
30th September 1868. 2989. WILLIAM GADD, of the Town and the County of the Town of Nottingham, Consulting Engineer, and JOHN MOORE, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- JEWITT.**
30th September 1868. 2990. HENRY JEWITT, of Kentish Town, in the County of Middlesex, for an invention for—"Means and apparatus for playing a new game."—*A communication to him from abroad by William W. Rose, of New York, United States of America.*
Letters Patent sealed.
- JUGE.**
30th September 1868. 2991. VICTOR JUGE, of Nice, in the Empire of France, Engineer, at present residing at New Bridge Street, in the County of Middlesex, for an invention for—"Improvements in means and apparatus for propelling, steering and turning ships and other vessels, and raising the same when stranded."
Letters Patent sealed.
- MABSON.**
30th September 1868. 2992. JOHN MABSON, of Norwood, in the County of Surrey, for an invention for—"Improvements in candlesticks."
Letters Patent sealed.
- LAMBERT.**
30th September 1868. 2993. JOHN LAMBERT, Foreman to the Rose Lane Iron Works, Norwich, in the County of Norfolk, for an invention for—"Improvements in apparatus for raising water."
Provisional protection only.
- LAFARGUE.**
30th September 1868. 2994. ALPHONSE LAFARGUE, of No. 13, Pine Street, Newcastle-on-Tyne, Engineer, for an invention for—"Improvements in gauges for indicating the pressure of steam and other fluids."
Letters Patent sealed.
- RICHARDSON.**
30th September 1868. 2995. WILLIAM RICHARDSON, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in machinery for burring or cleaning and preparing wool, cotton and other fibrous materials."
Letters Patent sealed.
- NEWTON.**
30th September 1868. 2996. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in treating metals for the purpose of separating from them various impurities or foreign substances."—*A communication to him from abroad by Norman Cutter, of Cincinnati, in the State of Ohio, United States of America.*
Letters Patent sealed.
- NEWTON.**
30th September 1868. 2997. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved scissors sharpener."—*A communication to him from abroad by Garret Peter Bergen and Charles Thomas Bainbridge, both of Brooklyn, in the State of New York, United States of America.*
Letters Patent sealed.
- JOHNSON.**
30th September 1868. 2998. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of white lead, and in the production of carbonic-acid gas for the said manufacture and for other useful purposes."—*A communication to him from abroad by Henry Hannen, Benjamin Franklin Pine, and Thomas Woods, all of Philadelphia, State of Pennsylvania, United States of America.*
Letters Patent sealed.
- DALRYMPLE.**
30th September 1868. 2999. GEORGE AUGUSTUS FREDERICK ELPHINSTONE DALRYMPLE, of Logie Elphinstone, in the County of Aberdeen, North Britain, for an invention for—"Improvements in machinery or apparatus for clipping horses, shearing sheep and other similar purposes, which improvements are also applicable to reaping and mowing machines."
Provisional protection only.
- POWERS.**
30th September 1868. 3000. ORVILLE WATSON POWERS, of 135, Regent Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing-machines, applicable to other machines worked by foot power."—*A communication to him from abroad by Greenleaf Stackpole, of the City of New York, in the County and State of New York, United States of America.*
Provisional protection only.

WOOLLATT. DODDS. 30th September 1868.	3001. JOSEPH WOOLLATT, and WILLIAM BROWN DODDS, both of Clifton Terrace, Gravesend, in the County of Kent, for an invention for—"Improvements in apparatus for obtaining motive-power and for propelling vessels." <i>Letters Patent sealed.</i>
UNWIN. 30th September 1868.	3002. GEORGE UNWIN, of Sheffield, in the West Riding of Yorkshire, Powder Flask Maker, for an invention for—"Improvements in apparatus for re-capping cartridge cases for breech-loading fire-arms." <i>Provisional protection only.</i>
STEVENS. 30th September 1868.	3003. BRYAN WILLIAM STEVENS, of the firm of Robert Armstrong and Company, of Birmingham, in the County of Warwick, Merchants, for an invention for—"Improvements in the picker spindles or guide bars of looms for weaving." <i>Letters Patent sealed.</i>
BECKS. JOHNSON. 30th September 1868.	3004. ARTHUR THOMAS BECKS, of Birmingham, in the County of Warwick, Iron Master, and GEORGE JOHNSON, of Aston, near Birmingham, aforesaid, Manufacturer, for an invention for—"Improvements in the manufacture of rouge and polishing powders." <i>Provisional protection only.</i>
FISHER. 1st October 1868.	3005. THOMAS FISHER, of Little Ilford, in the County of Essex, for an invention for—"An improved device for supporting the ends of rollers for blinds, maps and other articles." <i>Provisional protection only.</i>
HIGHTON. 1st October 1868.	3006. HENRY HIGHTON, M.A. of Sussex Sq ^{re} , Brighton, in the County of Sussex, Gentleman, for an invention for—"Improvements in the manufacture of artificial stone and slate, and in colouring and preserving the same, part of which are also applicable to the preservation of walls and other surfaces." <i>Letters Patent sealed.</i>
BOUSFIELD. 1st October 1868.	3007. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of tufted or pile fabrics and in machinery for manufacturing the same."— <i>A communication to him from abroad by John Thomas Waring, Manufacturer, a person resident at Yonkers, in the State of New York, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
SCALLY. 1st October 1868.	3008. JOHN DILLON SCALLY, of Moor Street, Barton-on-Trent, for an invention for—"Improvements in apparatus for filling casks." <i>Letters Patent sealed.</i>
KROMSCHROEDER. 1st October 1868.	3009. JOHN FREDERICK GUSTAVE KROMSCHROEDER, of Gloucester Street, Camden Town, in the County of Middlesex, Gas Engineer, for an invention for—"Improvements in apparatus for generating an inflammable gas or vapour suitable to be burnt at gas-burners, to yield light and heat." <i>Letters Patent sealed.</i>
MURRAY. HARLING. 1st October 1868.	3010. JOHN MURRAY, of Keighley, in the County of York, Designer, and OLIVER HARLING, of Thwaites, near Keighley, aforesaid, Mechanic, for an invention for—"Improved means or apparatus for consuming or preventing the escape of smoke from steam-boiler and other furnaces, and collecting for utilization the waste products of combustion of the fuel." <i>Provisional protection only.</i>
CRICHTON. DONBAVAND. CRIGHTON. 1st October 1868.	3011. DAVID CRICHTON, of the City of Manchester, in the County of Lancaster, Machinist, WILLIAM DONBAVAND, of the same place, Scale Beam and Weighing-Machine Manufacturer, and DUNCAN CRIGHTON, of the same place, Engineer and Machinist, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
CHARDON. 1st October 1868.	3012. CLAUDE BENOIT CHARDON, of No. 49, King William Street, in the City of London, a Doctor of Medicine, for an invention for—"Improvements in the construction of locomotive engines adapted for railroads and common roads." <i>Provisional protection only.</i>
LEGG. 1st October 1868.	3013. ROBERT LEGG, Millwright and Engineer, of 14, Owen's Row, Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in the manufacture of twisted or spun tobacco, and in machinery and appliances used therefor, a part of which is applicable to the winding of all twisted fabrics." <i>Letters Patent sealed; no specification filed.</i>
OLIVIER. 1st October 1868.	3014. JEAN OLIVIER, of No. 58, Rue Moreau St. Antoine, in the Empire of France, for an invention for—"Improvements in the mode of and apparatus for obtaining motive-power by means of the wind." <i>Provisional protection only.</i>

- THORPE.
1st October 1868. 3015. ABNER THORPE, of Codnor, in the County of Derby, Engineer, for an invention for—"Improvements in chairs, cages or hoists used in mines, shafts or lifts, and in the machinery or apparatus employed therein." *Letters Patent sealed.*
- NEWTON.
1st October 1868. 3016. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process for decorticating grain."—*A communication to him from abroad by Emanuel Weiss, of Rue St. Sebastien, Paris, in the Empire of France.*
Provisional protection only.
- LAKE.
1st October 1868. 3017. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of constructing the door frames of furnaces for steam generators."—*A communication to him from abroad by Augustin Irel Ambler, Charles Edwin Rittenhouse, and Robert Emmet Preston, all of Washington, District of Columbia, United States of America.*
Letters Patent sealed.
- CALVERT.
2nd October 1868. 3018. FRANCIS ALTON CALVERT, of the City of Manchester, Engineer, for an invention for—"Improvements in machinery for opening, burring, cleaning and carding cotton, wool and other fibrous substances, also for opening twisted yarns and woven fabrics." *Letters Patent sealed.*
- HOLCROFT.
DACK.
2nd October 1868. 3019. GEORGE HOLCROFT, and WILLIAM NATHAN DACK, both of the City of Manchester, Engineers, for an invention for—"Certain improvements in steam-engines." *Provisional protection only.*
- JENKINS.
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JENKINS.
2nd October 1868. 3020. JAMES JENKINS, FREDRICK JENKINS, and SAMUEL JENKINS, all of Birmingham, in the County of Warwick, for an invention for—"Improvements in the construction of sleeve-links, the same being also applicable to other articles of jewellery." *Provisional protection only.*
- O'CONNELL.
2nd October 1868. 3021. EDWARD O'CONNELL, of Greenwich, in the County of Kent, for an invention for—"Improvements in apparatus for supplying nourishment to infants, invalids and others." *Provisional protection only.*
- MONSNERGUE.
2nd October 1868. 3022. ALPHONSE MONSNERGUE, of 37, Boulevard Bonne Nouvelle, Paris, in the Empire of France, Merchant, for an invention for—"An improved kiln for burning clay, lime, plaster and other materials." *Letters Patent sealed.*
- HENWOOD.
2nd October 1868. 3023. NICHOLAS HENWOOD, of St. Germans, in the County of Cornwall, Timber Merchant, for an invention for—"Improvements in mowing and reaping machines." *Letters Patent sealed.*
- DRURY.
WALKER.
WALKER.
2nd October 1868. 3024. ROBERT FRANCIS DRURY, JOEL EATON WALKER, and WILLIAM GEORGE WALKER, all of Sheffield, in the County of York, Engineers and Tool Makers, for an invention for—"Improvements applicable to ratchet and crank braces and other tools or apparatus wherein centre points and pivots are required." *Letters Patent sealed.*
- BATES.
REDGATE.
2nd October 1868. 3025. STEPHEN BATES, of the Town and County of the Town of Nottingham, Lace Manufacturer, and WILLIAM REDGATE, of Radford, in the County of Nottingham, Draughtsman, for an invention for—"Improvements in the manufacture of lace made on bobbin net or twist lace machines." *Provisional protection only.*
- BROOMAN.
2nd October 1868. 3026. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the treatment of fatty matters in order to harden them and apply them to the manufacture of candles, soap and other uses."—*A communication to him from abroad by Mathias Paraf-Javal and Eugene Paraf-Javal, both of Thann, France.*
Letters Patent sealed.
- PARSON.
2nd October 1868. 3027. THOMAS COOKE PARSON, junior, of the City of Bristol, for an invention for—"Improvements in skates." *Letters Patent sealed.*
- ROSE.
3rd October 1868. 3028. EDOUARD FOURMAUX ROSE, of Provin, in the Department of the Nord, in the Empire of France, Manufacturer, for an invention for—"Improvements in machinery for breaking and peeling flax, hemp and other filamentous plants." *Provisional protection only.*
- SHRIMPTON.
3rd October 1868. 3029. ZACCHEUS SHRIMPTON, of Redditch, in the County of Worcester, Manufacturer, for an invention for—"Improvements in packing or putting up needles for sale, and in cases or receptacles for needles." *Letters Patent sealed.*

BAKER. 3rd October 1868.	3030. JAMES BAKER, of Liverpool, in the County of Lancaster, Ship Owner, for an invention for—"Improvements in apparatus for removing animal and vegetable adhesions from the bottoms of iron, steel and other navigable vessels." <i>Letters Patent sealed.</i>
ROGERS. 3rd October 1868.	3031. JOHN ROGERS, of the City of Brooklyn, in the State of New York, one of the United States of America, but at present residing at 44, Castle Street, Liverpool, in the County of Lancaster, for an invention for—"An improved mode of reviving bone black after it has been exhausted by sugar refining or other manufacturing operations."— <i>Partly a communication to him from abroad by Laurence Ried, of the City of New York, in the United States, aforesaid, and partly the invention and discovery of himself.</i> <i>Letters Patent sealed.</i>
WEST. 3rd October 1868.	3032. DANIEL WEST, of 69, Euston Square, in the County of Middlesex, Civil Engineer, Esquire, for an invention for—"An improvement in presses for packing cotton, hemp, wool and other goods." <i>Letters Patent sealed.</i>
NEWLANDS. 3rd October 1868.	3033. BENJAMIN EDWARD RÉINA NEWLANDS, of Charlton, in the County of Kent, Analytical Chemist, for an invention for—"Improvements in the manufacture of manure and in the production of salts of ammonia." <i>Letters Patent sealed.</i>
COWPER. 3rd October 1868.	3034. EDWARD ALFRED COWPER, of No. 6, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the manufacture of iron and steel, and in the apparatus and materials used for that purpose." <i>Letters Patent sealed.</i>
HOWDEN. 5th October 1868.	3035. JAMES HOWDEN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the use and application of substances for preventing the escape of heat from the surfaces of cylinders, boilers and other vessels or apparatus containing heat." <i>Provisional protection only.</i>
HEILMANN. HART. 5th October 1868.	3036. RUDOLPH HEILMANN, of the City of Manchester, Manufacturing Chemist, and PETER HART, of the same place, Chemist, for an invention for—"An improved method of utilizing the fumes or vapours evolved during certain chemical operations." <i>Letters Patent sealed.</i>
JOYCE. 5th October 1868.	3037. JOHN BARNETT JOYCE, of Bradford, in the County of York, Engineer, for an invention for—"Improvements in or applicable to the valves of steam-engines, part of which improvements is applicable to couplings of shafting and to other similar purposes." <i>Provisional protection only.</i>
LAKE. 5th October 1868.	3038. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved extension chandelier."— <i>A communication to him from abroad by Hiram Tucker, of Newton, Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
GALAND. SOMMERVILLE. 5th October 1868.	3039. CHARLES FRANÇOIS GALAND, of Liège, in the Kingdom of Belgium, Gun Manufacturer, and ALFRED SOMMERVILLE, of the firm of Braendlin, Sommersville and Company, of Birmingham, in the County of Warwick, Gun Manufacturers, for an invention for—"Improvements in repeating fire-arms." <i>Letters Patent sealed.</i>
BELLHOUSE. DORNING. 6th October 1868.	3040. EDWARD TAYLOR BELLHOUSE, of Manchester, in the County of Lancaster, and WILLIAM JOHN DORNING, of the same place, Engineers, for an invention for—"Improvements in hydraulic presses employed in the packing of cotton or other materials or substances." <i>Letters Patent sealed.</i>
SIMONS. 6th October 1868.	3041. EDWARD SIMONS, of Sheffield, in the County of York, for an invention for—"Certain improvements in 'breaks' applicable to railway and other carriages." <i>Letters Patent sealed.</i>
TCHPELEVSKY. 6th October 1868.	3042. NICOLAS TCHPELEVSKY, of Moscow, in the Empire of Russia, at present residing at Beaumont Street, Marylebone, in the County of Middlesex, Colonel of Artillery, for an invention for—"An improved enamel applicable to wood, paper, textile fabrics and other surfaces, to render them impervious to spirits, oils, gases or other similar fluids."— <i>A communication to him from abroad by Otto Carl Ramstedt, of Helsingfors, in the said Empire.</i> <i>Provisional protection only.</i>

WIGHAM. 6th October 1868.	3043. JOHN RICHARDSON WIGHAM, of Albany House, Monkstown, in the County of Dublin, Ireland, for an invention for—"Improvements in illuminating lighthouses and in apparatus employed for that purpose, which apparatus is also applicable to the manufacture of illuminating gas generally." <i>Letters Patent sealed.</i>
GRAVELEY. 6th October 1868.	3044. GEORGE GRAVELEY, of Bow, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam pumps and other engines actuated by steam or other motive fluid, and in combining sea-water distilling apparatus with steam-pumping and steam-cooking apparatus." <i>Letters Patent sealed and specification filed by order.</i>
GILBERT. WHITE. 6th October 1868.	3045. FRANCIS STEPHEN GILBERT, and WILLIAM GEORGE WHITE, of 24, Lawrence Pountney Lane, in the City of London, for an invention for—"Improvements in the manufacture of self-adjusting spanners." <i>Provisional protection only.</i>
STRAKER. 6th October 1868.	3046. ALBERT GEORGE STRAKER, of 26, Leadenhall Street, in the City of London, Stationer, for an invention for—"An improved kind of sample bag or envelope for the transmission of samples or patterns of merchandise by post." <i>Provisional protection only.</i>
RAMSAY. 6th October 1868.	3047. ROBERT RAMSAY, of Wimpole Street, Cavendish Square, in the County of Middlesex, for an invention for—"Improvements in the construction of knee caps for horses." <i>Letters Patent sealed.</i>
GARNETT. 6th October 1868.	3048. THOMAS GARNETT, of Smethwick, in the County of Stafford, Engineer, for an invention for—"Improvements in hydraulic rams." <i>Letters Patent sealed.</i>
STEFFANSON. 6th October 1868.	3049. HÅKAN STEFFANSON, of Gefleborgs Län, in the Kingdom of Sweden, but at present residing at Hans Place, Brompton, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for sawing wood." <i>Provisional protection only.</i>
WILLANS. 6th October 1868.	3050. JACOB GEOGHEGAN WILLANS, of St. Stephen's Crescent, in the County of Middlesex, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
ASPINALL. 6th October 1868.	3051. JOSEPH ASPINALL, of Gayton House, Harrow, in the County of Middlesex, for an invention for—"Improvements in telegraphic and other ropes or cables, part of which improvements are also applicable in hardening the surface of india-rubber and gutta-percha." <i>Provisional protection only.</i>
JEFFREYS. 6th October 1868.	3052. JULIUS JEFFREYS, of Upper Norwood, in the County of Surrey, for an invention for—"Improvements in freezing, shipping and preserving meat and other provisions, and in the machinery and apparatus employed therefor." <i>Letters Patent sealed.</i>
ESKRETT. 6th October 1868.	3053. CYRUS ESKRETT, of Kingston-upon-Hull, in the County of York, for an invention for—"Improvements in envelopes or 'hairs' used in extracting oil from oleaginous seeds and oil-cake making." <i>Provisional protection only.</i>
WARREN. 7th October 1868.	3054. FREDERIC PELHAM WARREN, of High Road, Lee, in the County of Kent, Commander in the Royal Navy, for an invention for—"Improvements in apparatus for cooking and other purposes." <i>Letters Patent sealed.</i>
JOHNSON. 7th October 1868.	3055. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved textile fabric applicable as blankets for printing presses and for other useful purposes."— <i>A communication to him from abroad by Jean Louis Delègue, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
MARSHALL. 7th October 1868.	3056. DAVID MARSHALL, of Leith, in the County of Mid Lothian, North Britain, for an invention for—"An improved packing for the tubes of surface condensers and other similar purposes." <i>Letters Patent sealed.</i>
SIEVWRIGHT. WORRAL. 7th October 1868.	3057. WILLIAM SIEVWRIGHT, junior, of Prinlaws, in the County of Fife, North Britain, and GEORGE WORRAL, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in apparatus for producing adjustable pressure on rollers used in the manufacture and finishing of textile materials or fabrics." <i>Provisional protection only.</i>

JOHNSON. 7th October 1868.	3058. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in flyers employed in twisting or spinning cotton and other fibrous substances."— <i>A communication to him from abroad by John Whitin, of the Whitin Machine Works, Whitinsville, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
MONTEITH. 7th October 1868.	3059. ROBERT THOMSON MONTEITH, of Dinard, Department of the Ille-et-Vilaine, in the Empire of France, Gentleman, for an invention for—"An improved manufacture of fire bricks and fire resisting cement." <i>Provisional protection only.</i>
HUGHES. 7th October 1868.	3060. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improved means and apparatus for generating electricity by heat."— <i>A communication to him from abroad by Louis Mure and Charles Clamond, of Bourg Saint And��ol, in the Empire of France.</i> <i>Letters Patent sealed.</i>
ROSSETTER. 7th October 1868.	3061. WILLIAM ROSSETTER, of Accrington, in the County of Lancaster, for an invention for—"Improvements in warping or beaming machines." <i>Letters Patent sealed.</i>
WOOD. ARUNDALE. 7th October 1868.	3062. JAMES WOOD, of Stockport, in the County of Chester, and JAMES ARUNDALE, of Hollingworth, in the same County, Shuttle Manufacturers, for an invention for—"Improvements in shuttles." <i>Provisional protection only.</i>
NEWTON. 7th October 1868.	3063. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in knitting machinery and in apparatus to be employed with knitting machinery."— <i>A communication to him from abroad by Thomas Crane, of Fort Atkinson, in the State of Wisconsin, United States of America.</i> <i>Letters Patent sealed.</i>
WATSON. 7th October 1868.	3064. JAMES WATSON, Foreman to Messieurs Arthur and Robert Wilcoxon, of Newington Causeway, in the County of Surrey, Paper Stainers, for an invention for—"An improvement in the manufacture of wall papers and in apparatus used in such manufacture." <i>Letters Patent sealed.</i>
DUPREE. 7th October 1868.	3065. JOHN DUPREE, of Whitechapel Road, in the County of Middlesex, Wire Worker and Weaver, for an invention for—"Improvements in the construction of sieves and in apparatus for working the same." <i>Provisional protection only.</i>
WATSON. 7th October 1868.	3066. JAMES WATSON, Foreman to Messieurs Arthur and Robert Wilcoxon, of Newington Causeway, in the County of Surrey, Paper Stainers, for an invention for—"An improvement in the manufacture of wall papers and in apparatus used in such manufacture." <i>Letters Patent sealed.</i>
ESTOR. PEARCE. 7th October 1868.	3067. WILLIAM ESTOR, of Hampstead, Analytical Chemist, and CHARLES THOMAS PEARCE, of Maddox Street, Regent Street, both in the County of Middlesex, for an invention for—"Improvements in the means of disinfecting or deodorizing rooms, buildings and ships, applicable also to other such like purposes." <i>Letters Patent sealed.</i>
RICHARDS. 7th October 1868.	3068. WESTLEY RICHARDS, of Birmingham, in the County of Warwick, for an invention for—"Improvements in cartridges." <i>Letters Patent sealed.</i>
BENTHAM. 7th October 1868.	3069. ROBERT HUNTER BENTHAM, of Bedford Row, in the County of Middlesex, Architect, for an invention for—"An apparatus or instrument for drawing lines radiating from a known centre, particularly adapted for the use of draughtsmen in drawing perspective views." <i>Provisional protection only.</i>
JOSEPHI. 8th October 1868.	3070. HENRY JOSEPHI, of Manchester, in the County of Lancaster, and of New York, in the United States of America, Merchant, for an invention for—"Improvements in watches, clocks and other like time-pieces, time-keepers or time indicators." <i>Provisional protection only.</i>
SPEIGHT. 8th October 1868.	3071. GEORGE SPEIGHT, of Spencer Street, Clerkenwell, in the County of Middlesex, Collar Manufacturer, for an invention for—"Improvements in apparatus for applying adhesive agents to paper and other materials, and for effecting adhesion between pieces of paper and other materials." <i>Provisional protection only.</i>
CHAUDRON. 8th October 1868.	3072. JOSEPH CHAUDRON, of Brussels, in the Kingdom of Belgium, Civil and Mining Engineer, for an invention for—"Improvements in boring or sinking pits or shafts for mines and other purposes, and in apparatus and tools employed therefor." <i>Letters Patent sealed.</i>

- BARCROFT.**
8th October 1868. 3073. JAMES BARCROFT, of Newchurch, in the County of Lancaster, Carpet Manufacturer, for an invention for—"Improvements in the manufacture of felted cloth and in machinery connected therewith."
Letters Patent sealed and specification filed by order.
- GRAY.**
8th October 1868. 3074. JOHN MCFARLANE GRAY, of Birkenhead, in the County of Chester, Engineer, for an invention for—"Improved modes of and machinery and accessory apparatus for working war turrets and heavy ordnance."
Letters Patent sealed.
- HUGHES.**
8th October 1868. 3075. EDWARD JOSEPH HUGHES, of the City of Manchester, in the County of Lancaster, Patent Agent, for an invention for—"Improvements in recreative games played with balls and cues, and in the tables and apparatus connected therewith."—*A communication to him from abroad by John Moss Fletcher, of New York, United States of America.*
Provisional protection only.
- SAGAR.**
RICHMOND.
8th October 1868. 3076. THOMAS SAGAR, of Burnley, in the County of Lancaster, Machine Maker, and THOMAS RICHMOND, of the same place, Manufacturer, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- AYCKBOURN.**
8th October 1868. 3077. FREDERICK AYCKBOURN, of 18, Southampton Street, Strand, Gentleman, for an invention for—"A new or improved combined lead pencil and eraser."
Provisional protection only.
- PRÉVOST.**
8th October 1868. 3078. EMILE PRÉVOST, of 136, Euston Road, in the County of Middlesex, Electrician, for an invention for—"A new mode or method of controlling restive and vicious horses."
Provisional protection only.
- JOHNSON.**
8th October 1868. 3079. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in saw handles and in securing the same to saw blades."—*A communication to him from abroad by Charles White Hubbard, of Pittsburgh, in the County of Allegheny, State of Pennsylvania, United States of America.*
Letters Patent sealed.
- SIMONS.**
8th October 1868. 3080. WILLIAM SIMONS, of Renfrew, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in bricks or blocks to be used for building purposes."
Provisional protection only.
- STEEL.**
8th October 1868. 3081. JAMES STEEL, of Glasgow, in the County of Lanark, North Britain, Brewer, for an invention for—"Improvements in apparatus for obtaining extracts from roasted malt."
Letters Patent sealed.
- BLAND.**
8th October 1868. 3082. WILLIAM BLAND, of Keighley, in the County of York, Machine Maker, for an invention for—"Improvements in looms for weaving."
Provisional protection only.
- DAVIES.**
8th October 1868. 3083. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in paper boats."—*A communication to him from abroad by Frank Williams Sargent and John Tyler, junior, both of Boston, Massachusetts, in the United States of America.*
Provisional protection only.
- ARNOLD.**
8th October 1868. 3084. JOHN ARNOLD, of Sheffield, in the County of York, Engineer and Boiler Maker, for an invention for—"Improvements in the construction of steam-boilers."
Letters Patent sealed.
- WINDER.**
8th October 1868. 3085. RICHARD WINDER, of Farningham, near Dartford, in the County of Kent, for an invention for—"A new machine for boring holes to fix the hop poles in, and for drawing the hop poles out of the ground in the hop picking season."
Provisional protection only.
- DEWAR.**
8th October 1868. 3086. JAMES DEWAR, Doctor of Medicine, residing at Kirkcaldy, in the County of Fife, North Britain, for an invention for—"Improvements in preparing food from the entrails of animals."
Letters Patent sealed.
- DEWAR.**
8th October 1868. 3087. JAMES DEWAR, Doctor of Medicine, residing at Kirkcaldy, in the County of Fife, North Britain, for an invention for—"Improvements in making and preserving manure, and in deodorising offensive substances."
Letters Patent sealed.
- ZYSEL.**
8th October 1868. 3088. FRANCIS ZYSEL, of Birmingham, in the County of Warwick, for an invention for—"Improvements in expanding or extending frames for furniture and other articles."
Provisional protection only.

HEACOCK. 8th October 1868.	3089. THOMAS HEACOCK, of Drury Lane, in the County of Middlesex, Brass Finisher, for an invention for—"Improvements in door knobs or handles." <i>Letters Patent sealed.</i>
MANFIELD. 8th October 1868.	3090. MOSES PHILIP MANFIELD, of Northampton, in the County of Northampton, Shoe Manufacturer, for an invention for—"Improvements applicable to the soles of boots, shoes, clogs and other coverings for the feet." <i>Letters Patent sealed.</i>
NEWTON. 8th October 1868.	3091. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved binnacle for iron ships."— <i>A communication to him from abroad by Charles Ole Olsen, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
MACMILLAN. 8th October 1868.	3092. ALEXANDER MACMILLAN, of Woodville Grove, Mildmay Park, in the County of Middlesex, for an invention for—"Improvements in buttons or fastenings, and in the method of fixing buttons or fastenings to garments and other articles." <i>Letters Patent sealed.</i>
VARLEY. VARLEY. 9th October 1868.	3093. JAMES VARLEY, of Leeds, in the County of York, and SAM WARBURTON VARLEY, of Dresden, in the Kingdom of Saxony, for an invention for—"Improved machinery for treating waste silk and other fibres." <i>Letters Patent sealed and specification filed by order.</i>
BONNEVILLE. 9th October 1868.	3094. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in pumps."— <i>A communication from Philippe Trichet, a person resident at Nieul, in the Empire of France, aforesaid.</i> <i>Letters Patent sealed.</i>
PEEL. BROADBENT. BAINES. 9th October 1868.	3095. JOHN PEEL, Weaving Overlooker, JOHN FLETCHER BROADBENT, Combing Overlooker, and JOSEPH MELLOR BAINES, Accountant, all of Bradford, in the County of York, for an invention for—"An improved picker for looms for weaving." <i>Provisional protection only.</i>
JARVIS. 9th October 1868.	3096. WILLIAM JARVIS, of New Brighton, in the County of Chester, Pharmaceutical Chemist, for an invention for—"Improved label attachments for poison bottles and bottles containing dangerous substances." <i>Provisional protection only.</i>
DYER. 9th October 1868.	3097. THOMAS WASHBOURNE DYER, of No. 2, Brunswick Street, Barnsbury Road, in the County of Middlesex, for an invention for—"Improved apparatus for the preventing and curing smoky chimnies." <i>Provisional protection only.</i>
DEACON. 9th October 1868.	3098. HENRY DEACON, of Appleton House, Appleton, in the County of Lancaster, Alkali Manufacturer, for an invention for—"Improvements in the manufacture of sulphuric acid." <i>Letters Patent sealed; no specification filed.</i>
HANNART. AUBERTIN. CUNNINGHAM. 9th October 1868.	3099. LOUIS HANNART, and NICHOLAS ALPHONSE AUBERTIN the younger, both of King Street, Cheapside, in the City of London, and WILLIAM JOHN CUNNINGHAM, of Oxford Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture of door plates, name plates, stencil plates and sign plates, suitable for sign boards for the fronts and other parts of shops and other buildings, and for other similar purposes." <i>Provisional protection only.</i>
EVANS. 9th October 1868.	3100. EVAN EVANS, of Neath, in the County of Glamorgan, Brewer and Colliery Proprietor, for an invention for—"Improvements in the mode of propelling boats on canals and other narrow watercourses, and in the mode of constructing such said boats." <i>Letters Patent sealed.</i>
ARCHEREAU. 9th October 1868.	3101. HENRI ADOLPHE ARCHEREAU, of 13, Boulevard St. Martin, Paris, France, Chemist, for an invention for—"A new method of obtaining heat and light, and its various applications, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
NEWTON. 9th October 1868.	3102. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved system of ascertaining and checking the amount of money or number of fares taken by the conductors or drivers of omnibuses or other public vehicles."— <i>A communication to him from abroad by Charles M. O'Hara, of the City and State of New York, United States of America.</i> <i>Provisional protection not allowed.</i>

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| <p>CURTIS.
9th October 1868.</p> | <p>3103. WILLIAM JOSEPH CURTIS, of Neville Terrace, Holloway, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in sewing-machines."
<i>Provisional protection only.</i></p> |
| <p>TRAGHEIM.
9th October 1868.</p> | <p>3104. SAMUEL TRAGHEIM, of Swinton Street, Gray's Inn Road, in the County of Middlesex, Interpreter, for an invention for—"An improved method of and apparatus for washing, dyeing, cooking and wholly or partly dissolving substances of vegetable, animal or mineral origin, and for evaporating and concentrating solutions of the same substances."
<i>Provisional protection only.</i></p> |
| <p>MORGAN.
MACAULAY.
WAIDE.
9th October 1868.</p> | <p>3105. JAMES CLIFFORD MORGAN, HENRY MACAULAY, and FRANCIS WILLIAM WAIDE, of Baths Works, Rotherham, in the County of York, Stove Grate Manufacturers and Ironfounders, for an invention for—"Improvements in the manufacture of cast-iron cisterns, lutes and covers."
<i>Letters Patent sealed.</i></p> |
| <p>READ.
9th October 1868.</p> | <p>3106. WILLIAM THOMAS READ, of 34, Old Broad Street, in the City of London, for an invention for—"Improvements in treating bottles to prepare them to receive beer or other fermented liquor, and in apparatus employed in such treatment."
<i>Letters Patent sealed.</i></p> |
| <p>WALKER.
PFLAUM.
9th October 1868.</p> | <p>3107. BENJAMIN WALKER, of Leeds, Engineer, and JOHN FREDERICK AUGUSTUS PFLAUM, also of Leeds, Engineer, for an invention for—"Improvements in machinery for reducing bulldog or other hard substances."
<i>Letters Patent sealed.</i></p> |
| <p>GRIFFITHS.
9th October 1868.</p> | <p>3108. JOHN GRIFFITHS, of Chesterfield, in the County of Derby, Manager at Sheepbridge Iron Works, for an invention for—"Improvements in the manufacture of piles of iron or steel, or of iron and steel, for the manufacture of rails, angles, axles, tyres, shafts and other articles."
<i>Provisional protection only.</i></p> |
| <p>HALLAS.
HALLAS.
WOODHOUSE.
9th October 1868.</p> | <p>3109. DAVID HALLAS, GEORGE HALLAS, and SAMUEL JOSEPH WOODHOUSE, all of Leeds, in the County of York, for an invention for—"Improved apparatus for regulating the supply of gas to 'burners.'"
<i>Provisional protection only.</i></p> |
| <p>GRANT.
10th October 1868.</p> | <p>3110. GEORGE PETRIE GRANT, of Number Eight, Knight's Place, Wandsworth Road, in the County of Surrey, for an invention for—"Improvements in bung bushes for casks and similar vessels, and apparatus for fixing same."
<i>Letters Patent sealed.</i></p> |
| <p>BARNETT.
10th October 1868.</p> | <p>3111. FREDERIC BARNETT, of 164, Rue de Rivoli, Paris, in the Empire of France, for an invention for—"An improved system of paving by the employment of natural or artificial bitumen combined with iron ore, and for an improved process of manufacturing the artificial bitumen."
<i>Letters Patent sealed.</i></p> |
| <p>MERZ.
THOMSON.
10th October 1868.</p> | <p>3112. THEODORE MERZ, Chemist, of Hebburn, in the County of Durham, and GEORGE THOMSON, Chemist, of Pelaw-Main, in the same County, for an invention for—"Improvements in calcining ores, minerals and other substances, and in furnaces therefor."
<i>Letters Patent sealed.</i></p> |
| <p>TOD.
10th October 1868.</p> | <p>3113. ROBERT TOD, of the firm of Alexander and Robert Tod, of Leith, in the County of Mid Lothian, and of Glasgow, in the County of Lanark, North Britain, Millers, for an invention for—"Improvements in apparatus for separating and cleaning sharps or middlings, groats of wheat and other partially ground grain."—<i>A communication to him from abroad by Von Eschelivies, residing at Lestorf, in Austria.</i>
<i>Letters Patent sealed.</i></p> |
| <p>MACCARTHY.
10th October 1868.</p> | <p>3114. SAXON JOHN MACCARTHY, of Charlotte Street, Fitzroy Square, in the County of Middlesex, for an invention for—"A new construction of fastening for securing boots and shoes and other articles of dress or wear, such fastenings being also applicable for closing or securing receptacles, wrappers or other flexible articles."
<i>Letters Patent sealed.</i></p> |
| <p>ABEL.
BROWN.
10th October 1868.</p> | <p>3115. FREDERICK AUGUSTUS ABEL, and EDWIN ORMOND BROWN, both of the Royal Arsenal, Woolwich, in the County of Kent, for an invention for—"Improvements in the mode of and apparatus for firing explosive compounds."
<i>Letters Patent sealed.</i></p> |

AUBIN. BENTON. 10th October 1868.	3116. WILLIAM HENRY SAINT AUBIN, and BENJAMIN BENTON, of Wolverhampton, in the County of Stafford, Machinist, for an invention for—"Improvements in cocks, taps and apparatus for drawing off liquids or gases from pipes, casks or other vessels, and for filling casks and other vessels with liquids or gases." <i>Provisional protection only.</i>
LAKE. 10th October 1868.	3117. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved process and means for electro-plating with nickel."— <i>A communication to him from abroad by William Henry Remington, of Boston, Massachusetts, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
HART. 10th October 1868.	3118. FREDERIC WILLIAM HART, of 8, Kingsland Green, London, in the County of Middlesex, Photographic and Experimental Chemist, for an invention for—"A new (or improved) material or substance to be used for varnishing or protecting the surfaces of lithographs, photolithographs and other like printed surfaces." <i>Letters Patent sealed.</i>
SMITH. 12th October 1868.	3119. NAPIER SMITH, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in treating and utilising waste acid liquors." <i>Letters Patent sealed.</i>
ABEL. 12th October 1868.	3120. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in screw propellers."— <i>A communication to him from abroad by Adolphe Aubert, of Nogent-le-Rotrou, Eure et Loire, France.</i> <i>Letters Patent sealed.</i>
MOON. DONALDSON. HARRIS. 12th October 1868.	3121. JAMES MOON, ISAAC HUNTER DONALDSON, and SAMUEL JAMES HARRIS, all of No. 176, Oxford Street, in the County of Middlesex, trading with James Carter Moon, of the same place, under the style or name of Gillow and Co., Cabinet Makers and Upholsterers, for an invention for—"An improved mode of making and fastening together bedsteads." <i>Provisional protection only.</i>
MOODIE. 12th October 1868.	3122. WILLIAM MOODIE, of the City of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the propelling and steering of ships or vessels, and in the machinery or apparatus employed therefor." <i>Letters Patent sealed.</i>
JORDAN. 12th October 1868.	3123. THOMAS BROWN JORDAN, of South Lambeth, in the County of Surrey, Mechanical Engineer, for an invention for—"Improvements in machinery and apparatus for breaking, separating and dressing mineral substances." <i>Provisional protection only.</i>
LEONI. 12th October 1868.	3124. SIGISMUND LEONI, of 34, Saint Paul Street, New North Road, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in heating and cooking apparatus." <i>Letters Patent sealed.</i>
FIELD. TUER. 12th October 1868.	3125. ABRAHAM FIELD, and ANDREW WHITE TUER, both of No. 136, Minories, in the City of London, Manufacturing Stationers and Printers, for an invention for—"Improvements in the manufacture of show-boards, tablets or cases containing representations, announcements, illustrations or devices for advertising and other purposes." <i>Letters Patent sealed.</i>
BRAILSFORD. GADSBY. 12th October 1868.	3126. WILLIAM BRAILSFORD, and JOSEPH GADSBY, both of the Town and County of the Town of Nottingham, Draughtsman, for an invention for—"Improvements in the manufacture of lace made on bobbin net or twist lace machines, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
WARD. 13th October 1868.	3127. JOSEPH WARD, Railway Carriage Builder, of No. 12, Lambourn Road, Clapham, in the County of Surrey, for an invention for—"Improvements in apparatus for communication between the passengers, guards and drivers of railway trains." <i>Provisional protection only.</i>
CASHIN. 13th October 1868.	3128. THOMAS FREDERICK CASHIN, of Sheffield, in the County of York, Civil Engineer, for an invention for—"Improvements in the mode of securing the joints of rails, and in apparatus for guiding and providing for the safety of engines and trains passing over points or switches on railways." <i>Letters Patent sealed.</i>

- LYTTLE.
13th October 1868. 3129. WILLIAM ALEXANDER LYTTLE, of the General Post Office, London, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in electro-telegraphic conductors and the batteries connected therewith."
Provisional protection only.
- CLIFTON.
13th October 1868. 3130. HENRY CHARLES CLIFTON, of No. 34, Great Sutton Street, Clerkenwell, in the County of Middlesex, for an invention for—"A new or improved system of and machinery for making ornaments for picture frames and other purposes."
Letters Patent sealed.
- LE MAT.
13th October 1868. 3131. FRANÇOIS ALEXANDRE LE MAT, of New Orleans, in the State of Louisiana, in the United States of America, Colonel, for an invention for—"Improvements in the construction of revolving and repeating fire-arms."
Letters Patent sealed.
- SANDERS.
13th October 1868. 3132. GEORGE NICHOLAS SANDERS, of Langham Street, Portland Place, in the County of Middlesex, for an invention for—"Improvements in and connected with lamps."
Provisional protection only.
- SUGG.
13th October 1868. 3133. WILLIAM THOMAS SUGG, of Vincent Works, Vincent Street, in the City of Westminster, for an invention for—"Improvements in apparatus for regulating the supply of gas and in fittings connected therewith, which are also applicable to other purposes."
Letters Patent sealed.
- DAWSON.
13th October 1868. 3134. RALPH DAWSON, of Wembury House, near Plymouth, in the County of Devon, for an invention for—"Improvements in the construction of gun-boats for coast and harbour defence."
Letters Patent sealed.
- SPICE.
13th October 1868. 3135. ROBERT SPICE, of Gower Place, Gower Street, in the County of Middlesex, for an invention for—"Improvements in the construction of jars intended to contain manufactured tobacco."
Provisional protection only.
- WORSTER.
13th October 1868. 3136. JAMES WORSTER, of Southampton Street, Camberwell, in the County of Surrey, for an invention for—"Improvements in means or apparatus for holding or supporting stereotype plates whilst taking impressions therefrom."
Letters Patent sealed.
- YATES.
13th October 1868. 3137. WILLIAM YATES, of Duke Street, in the City of Westminster, Gentleman, for an invention for—"Improvements in the furnaces and tools to be used in metallurgic operations."
Letters Patent sealed.
- LAKE.
13th October 1868. 3138. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and means for dyeing hair."—*A communication to him from abroad by William Patton, of Springfield, Massachusetts, United States of America.*
Letters Patent sealed.
- ROWBOTHAM.
EZARD.
14th October 1868. 3139. RICHARD ROWBOTHAM, of Beswick, near Manchester, in the County of Lancaster, Ironfounder, and CHARLES EZARD, of the same place, Ironfounder, for an invention for—"An improved top bar for fire-places."
Provisional protection only.
- SHANKS.
14th October 1868. 3140. JOHN SHANKS, of Barrhead, in the County of Renfrew, North Britain, Sanitary Engineer, for an invention for—"Improvements in waterclosets and in taps for the same and applicable otherwise."
Letters Patent sealed.
- CLOZEL.
14th October 1868. 3141. LOUIS CLOZEL, of No. 6, Rue des Filles du Calvaire, in the City of Paris, in the Empire of France, Medical Doctor, for an invention for—"Improvements in tanning all animal skins."
Letters Patent sealed.
- LAKE.
14th October 1868. 3142. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus for drilling series of small holes and for other like operations."—*A communication to him from abroad by Charles Francis Ritchel, of Chicago, Illinois, United States of America.*
Provisional protection only.
- CARTER.
14th October 1868. 3143. JAMES HARRISON CARTER, of Brighton, in the County of Sussex, for an invention for—"An improved lubricating apparatus."
Provisional protection only.

LAKE. 14th October 1868.	3144. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for spinning wool and other fibrous materials."— <i>A communication to him from abroad by John Goulding, of Worcester, Massachusetts, United States of America.</i> Letters Patent sealed.
JONES. 14th October 1868.	3145. JAMES GRAFTON JONES, of the Blaina Iron Works, near Newport, in the County of Monmouth, for an invention for—"Improvements in apparatus employed in getting coal, stone and minerals." Letters Patent sealed.
ROBERTSON. 14th October 1868.	3146. JAMES ROBERTSON, of the City of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"New or improved modes of obtaining and transmitting motive-power, and in the means, apparatus or mechanism employed therefor, part of such apparatus or mechanism being also applicable to the measuring of fluids." Letters Patent sealed.
LEACH. 14th October 1868.	3147. EDMUND LEACH, of Rochdale, in the County of Lancaster, for an invention for—"Improvements in travelling lattices used for conveying fibrous materials into or out of machines." Letters Patent sealed.
ATKINS. 14th October 1868.	3148. JAMES ATKINS, of the firm of Robert Walter Winfield and Company' of Birmingham, in the County of Warwick, Merchants and Manufacturers, for an invention for—"Improvements in the manufacture of ornamental and plain metallic tubes." Provisional protection only.
LORBERG. 14th October 1868.	3149. WILLIAM LORBERG, of Brunswick Place, City Road, in the County of Middlesex, for an invention for—"An improved process of treating cotton seed and utilizing the refuse resulting therefrom." Letters Patent sealed.
HUDSON. 14th October 1868.	3150. HERON HUDSON, of Clifton Terrace, Wolverhampton, in the County of Stafford, Gentleman, for an invention for—"Improvements in facilitating the stopping of railway trains and other rolling stock, and in the machinery or apparatus employed therein." Letters Patent sealed.
LAKE. 14th October 1868.	3151. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in apparatus for generating and burning the vapour of hydrocarbon liquids."— <i>A communication to him from abroad by David Lowe, of Boston, Massachusetts, United States of America.</i> Letters Patent sealed.
DENLEY. 14th October 1868.	3152. JOHN DENLEY, of Cheltenham, in the County of Gloucester, Tin Plate Worker, for an invention for—"A new or improved coffee pot." Letters Patent sealed.
GUMPFL. 15th October 1868.	3153. CHARLES GODFREY GUMPFL, of Leicester Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in locks and latches." Letters Patent sealed.
GEDGE. 15th October 1868.	3154. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture or preparation of artificial fuel."— <i>A communication to him from abroad by Charles de Lin and Auguste Combe Dalma, both of 5, Rue Blondel, Paris, France.</i> Letters Patent sealed.
BONNEVILLE. 15th October 1868.	3155. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"A new and useful improvement in elastic moulds."— <i>A communication from Thomas Taylor, Edmund Pendleton Rogers, and Miers Coryell, three persons resident at New York City, in the State of New York, United States of America.</i> Complete specification; Letters Patent sealed.
FORT. LEE. 15th October 1868.	3156. EDWARD FORT, and JOHN LEE, both of Burnley, in the County of Lancaster, Engineers, for an invention for—"Improvements in the construction and arrangement of the furnaces of steam-boilers." Provisional protection only.
ATTREE. DERMER. 15th October 1868.	3157. GREGORY CULLING ATTREE, and THOMAS DERMER, both of Wood Street, Cheapside, in the City of London, for an invention for—"An improved method of and apparatus for fastening scarves and other similar articles." Provisional protection only.

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| <p>ROBINS.
15th October 1868.</p> <p>PEYTON.
15th October 1868.</p> <p>GRAY.
15th October 1868.</p> <p>BALL.
BALL.
15th October 1868.</p> <p>WOOD.
15th October 1868.</p> <p>VACHEROT.
15th October 1868.</p> <p>LAKE.
15th October 1868.</p> <p>LAKE.
15th October 1868.</p> <p>VICARS.
VICARS.
SMITH.
16th October 1868.</p> <p>PEARCE.
16th October 1868.</p> <p>MARCHANT.
16th October 1868.</p> <p>CHURCH.
16th October 1868.</p> <p>HEAD.
16th October 1868.</p> <p>NEWTON.
16th October 1868.</p> | <p>3158. ALFRED ROBINS, of 23, Great St. Helen's, in the City of London, for an invention for—"Improvements in the manufacture of water and drain pipes."—<i>A communication to him from abroad by John Edward Hughes, of 23, Great St. Helen's, aforesaid, but now residing at the City and County of San Francisco, in the State of California, in the United States of America, and Isaac Sherman Church, also residing at the City and County of San Francisco, aforesaid. Letters Patent sealed.</i></p> <p>3159. EDWARD PEYTON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in spring mattresses applicable to bedsteads and other articles of furniture." <i>Letters Patent sealed.</i></p> <p>3160. THOMAS GRAY, of Taibach, in the County of Glamorgan, Mining Engineer, for an invention for—"Improvements in safety lamps." <i>Letters Patent sealed.</i></p> <p>3161. JOHN BALL, of the Town and County of the Town of Nottingham, and ALEXANDER BALL, of Radford, in the County of Nottingham, Lace Manufacturers, for an invention for—"Improvements in the manufacture of lace made on bobbin net or twist lace machines, and in the machinery or apparatus employed therein." <i>Provisional protection only.</i></p> <p>3162. RICHARD MASON WOOD, of Shakespeare Road, Stoke Newington, in the County of Middlesex, Type Founder, for an invention for—"Improvements in the manufacture of type cases, work boxes, color boxes and other articles in which compartments are used." <i>Letters Patent sealed.</i></p> <p>3163. ISIDORE ALEXANDRE VACHEROT, of Notting Hill, in the County of Middlesex, Architect, for an invention for—"Improvements in the construction of buildings and in beams or girders employed therein." <i>Provisional protection only.</i></p> <p>3164. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in breech-loading volley-firing guns."—<i>A communication to him from abroad by Thomas J. Cranmer and William P. Moffat, both of San Francisco, California, United States of America. Letters Patent sealed.</i></p> <p>3165. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in repeating breech-loading firearms."—<i>A communication to him from abroad by Valentine Fogerty, of Boston, Massachusetts, United States of America. Complete specification: Letters Patent sealed.</i></p> <p>3166. THOMAS VICARS the elder, and THOMAS VICARS the younger, both of Liverpool, in the County of Lancaster, Engineers, and JAMES SMITH, of the same place, Baker, for an invention for—"Improvements in self-feeding smokeless furnaces." <i>Letters Patent sealed.</i></p> <p>3167. RICHARD PEARCE, of Swansea, in the County of Glamorgan, for an invention for—"Improvements in the separation of copper and other metals from silver and gold, the same being applicable to other metallurgical operations." <i>Letters Patent sealed.</i></p> <p>3168. ROBERT MUDGE MARCHANT, of Wellington, New Zealand, but now temporarily of 166, Fleet Street, in the City of London, Civil Engineer, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i></p> <p>3169. WALTER CHARLES CHURCH, of Derby, in the County of Derby, Engineer, for an invention for—"Improvements in steam or other motive engines, and in safety valves and arrangements for preventing damage or accidents in steam-boilers." <i>Letters Patent sealed.</i></p> <p>3170. RICHARD HEAD, of 6, Gray Street, Manchester Square, in the County of Middlesex, for an invention for—"Improvements in stoves and boilers for heating water for baths and other purposes." <i>Letters Patent sealed.</i></p> <p>3171. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of syrup and sugar."—<i>A communication to him from abroad by Narcisse Pigeon, of Brooklyn, in the State of New York, United States of America. Letters Patent sealed.</i></p> |
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SHERMAN. 16th October 1868.	3172. JACOB SHERMAN, of New Road, Whitechapel, in the County of Middlesex, Jeweller, for an invention for—"Improvements in finger rings and bracelets." <i>Provisional protection only.</i>
CHURCHILL. 16th October 1868.	3173. CHARLES CHURCHILL, of Norwood, in the County of Surrey, Merchant, for an invention for—"Improvements in sporting breech-loading fire-arms and cartridges for the same."— <i>A communication to him from abroad by William H. Miller, of West Meriden, Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
ASHCROFT. 16th October 1868.	3174. JOHN ASHCROFT, of the City, County, and State of New York, United States of America, for an invention for—"An improved safety valve for the boilers of locomotives and other steam-engines." <i>Letters Patent sealed.</i>
DENAYROUZE. 16th October 1868.	3175. AUGUSTE DENAYROUZE, of Boulevard du Prince Eugène, Paris, in the French Empire, Lieutenant in the French Imperial Navy, for an invention for—"Improvements in dresses and in head gear or helmets for divers." <i>Letters Patent sealed.</i>
PHILLIPS. 16th October 1868.	3176. JOHN PHILLIPS, of Hampstead, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the means or apparatus employed for warming and ventilating buildings." <i>Provisional protection only.</i>
HUGHES. 17th October 1868.	3177. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved adhesive substance."— <i>A communication to him from abroad by Jules Totin and Auguste Totin, both of Montreuil, in the Empire of France.</i> <i>Letters Patent sealed.</i>
MAYER. 17th October 1868.	3178. CERF MAYER, of Paris, in the Empire of France, now of Nos. 40 and 41, Fleet Street, in the City of London, for an invention for—"Improvements in tourists' bottles and in stoppers for the same and other vessels, part of which improvements are applicable to locks or fastenings for boxes and to other like purposes." <i>Letters Patent sealed.</i>
WILSON. 17th October 1868.	3179. DAVID WILSON, of Dundee, in the County of Forfar, North Britain, for an invention for—"An improved drag or brake for the wheels of vehicles." <i>Letters Patent sealed.</i>
DESBONNET. 17th October 1868.	3180. ALEXANDRE DESBONNET, of Brussels, in the Kingdom of Belgium, for an invention for—"An improved lantern or lighting apparatus." <i>Provisional protection only.</i>
RICKARD. PAUL. 17th October 1868.	3181. WILLIAM THOMPSON RICKARD, of Crown Court, Threadneedle Street, in the City of London, and WILLIAM CARNE PAUL, of Moorgate Street, in the said City, for an invention for—"Improvements in apparatus for washing ores and other matters, and the separation of the metals contained therein or combined therewith." <i>Letters Patent sealed.</i>
LUDLOW. 17th October 1868.	3182. EDWIN LUDLOW, of the firm of Edwin and Alfred Ludlow, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in central-fire cartridges for breech-loading fire-arms." <i>Provisional protection only.</i>
BUNNING. 17th October 1868.	3183. HENRY BUNNING, junior, of Field House, New Cross, in the County of Surrey, for an invention for—"Improvements in apparatus for burning combustible liquids in furnaces." <i>Provisional protection only.</i>
WARREN. 17th October 1868.	3184. FREDERIC PELHAM WARREN, of Northumberland House, High Road, Lee, in the County of Kent, Commander in the Royal Navy, for an invention for—"Improvements in ranges or cooking apparatus." <i>Letters Patent sealed.</i>
GREEN. 17th October 1868.	3185. RICHARD ANGELL GREEN, of 82, Strand, in the County of Middlesex, Jeweller, for an invention for—"Improvements in the preparation or treatment of the folded paper sheets used for printed works, and in apparatus for effecting such preparation or treatment." <i>Letters Patent sealed.</i>
WRIGLEY. YATES. 19th October 1868.	3186. THOMAS WRIGLEY, of Manchester, in the County of Lancaster, Mechanical Engineer, and WALTER EDWARD YATES, of the same place, Machinist, for an invention for—"Certain improvements in 'beaming warps' and in the mechanism connected therewith." <i>Provisional protection only.</i>

WRIGLEY.
RICHARDSON.
19th October 1868.

3187. THOMAS WRIGLEY, of Manchester, in the County of Lancaster, Engineer to the Loom Improvement Company, Limited, and JOHN RICHARDSON, of the same place, Secretary to said Company, for an invention for—"Certain improvements in looms for weaving."

Letters Patent sealed.

COCKSHOOT.
WEATHERILL.
19th October 1868.

3188. JOSEPH COCKSHOOT, junior, of Manchester, in the County of Lancaster, Coach Builder, and HENRY WEATHERILL, of the same place, Manager, for an invention for—"Certain improvements in the construction of carriage axles and axle boxes."

Letters Patent sealed; no specification filed.

HUNT.
19th October 1868.

3189. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"An improvement in scissors."—*A communication to him from abroad by Sarah Hogan Brisbane, of Fordham, in the County of Westchester, and State of New York, United States of America.*

Letters Patent sealed.

CLARK.
19th October 1868.

3190. ALEXANDER CLARK, of Rathbone Place, and of 53, Chancery Lane, both in the County of Middlesex, Engineer, for an invention for—"An improved submarine telescopic lantern."—*A communication to him from abroad by Henry Thompson, of Mobile, County of Mobile, State of Alabama, United States of America.*

Letters Patent sealed.

WHITEHOUSE.
19th October 1868.

3191. CORNELIUS WHITEHOUSE, of Bridgtown, near Cannock, in the County of Stafford, Edge Tool and Auger Maker, for an invention for—"Improvements in the manufacture of augers, boring bits and other similar tools."

Letters Patent sealed.

NEWTON.
19th October 1868.

3192. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of gun barrels, vices, and various kinds of tools and instruments in which the handles are secured in open eyes."—*A communication to him from abroad by Harvey Lester Lowman, of the City and State of New York, United States of America.*

Letters Patent sealed.

HOWES.
19th October 1868.

3193. WILLIAM HOWES HOWES, of Curtain Road, Shoreditch, in the County of Middlesex, for an invention for—"Improvements in movements or actions for swing-frame looking glasses, swing windows, show-case doors and other swing frames."

Letters Patent sealed.

LAKE.
19th October 1868.

3194. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved method of preparing, desiccating and preserving fish."—*A communication to him from abroad by William D. Cutler, of Philadelphia, Pennsylvania, United States of America.*

Letters Patent sealed.

RAE.
19th October 1868.

3195. JAMES RAE, of Sydenham, in the County of Kent, Engineer, for an invention for—"Improvements in carts for removing refuse matter from roads, and for watering the same."

Letters Patent sealed.

FITCH.
19th October 1868.

3196. WILLIAM FITCH, of Washington City, in the District of Columbia and United States of America, Gentleman, for an invention for—"Improvements in the carriages for ordnance, and in devices for operating the same and checking the recoil thereof."—*A communication to him from George Robert Wilson, a person resident at Washington City, District of Columbia, United States, aforesaid.*

Complete specification; Letters Patent sealed.

DORE.
THORNHILL.
20th October 1868.

3197. WILLIAM DORE, and JAMES THORNHILL, both of Manchester, in the County of Lancaster, Machinists, for an invention for—"Certain improvements in motive-power engines."

Provisional protection only.

BONNEVILLE.
20th October 1868.

3198. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in safety lamps for miners."—*A communication from Richard Werdermann, a person resident at Dortmund, in the Kingdom of Prussia, Engineer.*

Complete specification; Letters Patent sealed.

ELCE.
20th October 1868.

3199. JOHN ELCE, of the City of Manchester, Machine Maker, for an invention for—"Certain improvements in mules for spinning and doubling."

Letters Patent sealed.

FARRAR. HUNTLEY. 20th October 1868.	3200. JOHN ALCOCK FARRAR, of Hartlepool, in the County of Durham, Master Mariner, and BENJAMIN RALPH HUNTLEY, of Hartlepool, aforesaid, Ship Chandler, for an invention for—"Improvements in the hatches and cabin-tops of ships, and for ventilating and other purposes." <i>Letters Patent sealed.</i>
VOIGT. 20th October 1868.	3201. GEORGE VOIGT, of Cahir, in the County of Tipperary, Ireland, for an invention for—"Certain improvements in railway breaks." <i>Provisional protection only.</i>
LAUENSTEIN. 20th October 1868.	3202. CHARLES LAUENSTEIN, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the method of purifying and decolorizing paraffine."— <i>A communication to him from abroad by Leo Schuch, of Liesing, in the Empire of Austria.</i> <i>Provisional protection only.</i>
CHAPMAN. 20th October 1868.	3203. GAVIN CHAPMAN, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in treating sewage in order to obtain valuable products therefrom." <i>Letters Patent sealed.</i>
HUGHES. 20th October 1868.	3204. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in tea and coffee pots."— <i>A communication to him from abroad by Edward Baldwin Manning, of Middletown, in the County of Middlesex and State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
HARRISON. 20th October 1868.	3205. EDWARD HARRISON, of the City of New Haven, in the County of New Haven and State of Connecticut, Manufacturer of Grinding Mills, for an invention for—"An improvement in mills for grinding and flouring grain." <i>Letters Patent sealed.</i>
SYKES. MALIN. 20th October 1868.	3206. JOHN SYKES, and GEORGE MALIN, of High Holborn, in the County of Middlesex, for an invention for—"An improved composition to be used for 'filling up' the bodies of carriages and other substances previous to receiving the colouring matter." <i>Provisional protection only.</i>
LORKIN. 20th October 1868.	3207. JEREMIAH LORKIN, of Norwood, in the County of Surrey, for an invention for—"Improvements in pipes for smoking tobacco." <i>Provisional protection only.</i>
HUGHES. 20th October 1868.	3208. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in machines for polishing and finishing needles, and in apparatus for arranging the needles for delivery thereto."— <i>A communication to him from abroad by Chauncey Orrin Crosby, of New Haven, United States of America.</i> <i>Letters Patent sealed.</i>
POSENER. POSENER. UNGER. 20th October 1868.	3209. DAVID POSENER, and ADOLPHE POSENER, of Mansell Street, Goodman's Fields, in the County of Middlesex, Pipe Manufacturers, and MARCUS UNGER, of Duke Street, Aldgate, in the City of London, Ivory Turner, for an invention for—"Improvements in holders for glass and other globes or shades for gaseliers, chandeliers and other analogous purposes." <i>Provisional protection only.</i>
BRINJES. 20th October 1868.	3210. JOHN FREDERICK BRINJES, of Fieldgate Street, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in centrifugal machinery or apparatus employed in the separation of fluid from other matters." <i>Letters Patent sealed.</i>
JOHNSON. 20th October 1868.	3211. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in boots and shoes."— <i>A communication to him from abroad by Edwin Thomas, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
BRIERLEY. VINE. 20th October 1868.	3212. JAMES MAKINSON BRIERLEY, of 24, Milk Street, in the City of London, and EDWARD CHARLES VINE, of Chequer Alley, Bunhill Row, in the County of Middlesex, for an invention for—"Improvements in fastenings for stays, corsets and bodices, which improvements are also applicable to other articles of wearing-apparel." <i>Provisional protection only.</i>
MAUDSLAY. RAWLINS. 20th October 1868.	3213. WILLIAM MAUDSLAY, and WASHINGTON CHAMPION RAWLINS, both of Liverpool, in the County of Lancaster, Engineers, for an invention for—"Improvements in means and apparatus to enable boilers and furnaces to heat expeditiously and consume their smoke, and generate steam more quickly than heretofore." <i>Letters Patent sealed.</i>

- WESTWOOD.
20th October 1868. 3214. JOSEPH WESTWOOD, junior, of Tredegar House, Bow Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of socket joints for metal piles and columns." *Letters Patent sealed.*
- FORSTER.
HEARTFIELD.
20th October 1868. 3215. THOMAS FORSTER, of Streatham, and JOHN HEARTFIELD, of Stanley Road, Thornton Heath, both in the County of Surrey, for an invention for—"Improvements in sponging or bath gloves, part of which invention is also applicable to the joining india-rubber sponge." *Letters Patent sealed.*
- STAFFORD.
21st October 1868. 3216. JOHN STAFFORD, of No. 8, Phoenix Street, Somers Town, in the County of Middlesex, for an invention for—"Improvements in chimney terminals, also applicable to ventilators." *Provisional protection only.*
- PARKES.
21st October 1868. 3217. JOHN JOSEPH PARKES, of No. 17, London Street, Paddington, in the County of Middlesex, Gas Engineer, for an invention for—"Improvements for making stoves for cooking and heating purposes by gas and other means." *Provisional protection only.*
- SHAW.
21st October 1868. 3218. CHRISTOPHER SHAW, of the Wicker Iron Works, Sheffield, in the County of York, Engineer, for an invention for—"Improvements in propelling vessels and in screw mechanism to be used therefor." *Letters Patent sealed; no specification filed.*
- HOLDEN.
21st October 1868. 3219. ISAAC HOLDEN, M.P., of Oakworth House, near Keighley, in the County of York, for an invention for—"Improvements in means or apparatus employed in combing wool and other fibres." *Letters Patent sealed.*
- CLIFTON.
21st October 1868. 3220. HENRY CLIFTON, of New Bond St., London, in the County of Middlesex, Engineer, for an invention for—"Improvements in butter churns." *Letters Patent sealed.*
- JOHNSON.
21st October 1868. 3221. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in reels or bobbins."—*A communication to him from abroad by François Patureau, of Paris, in the Empire of France.* *Letters Patent sealed.*
- RICHARDS,
CARTER.
21st October 1868. 3222. THOMAS RICHARDS, and CHARLES HENRY CARTER, both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in extractors for breech-loading pistols." *Provisional protection only.*
- MALET.
21st October 1868. 3223. HENRY CHARLES EDEN MALET, of New Bond Street, in the County of Middlesex, Lieutenant Colonel, Grenadier Guards, for an invention for—"Improvements in projectiles for small arms and ordnance." *Provisional protection only.*
- WHITEHOUSE.
21st October 1868. 3224. EDWARD ORANGE WILDMAN WHITEHOUSE, of Stoke Newington, in the County of Middlesex, for an invention for—"A new (or improved) mode of protecting insulated telegraph wires." *Letters Patent sealed.*
- WARNER.
21st October 1868. 3225. HENRY WARNER, of 11, Old Jewry Chambers, in the City of London for an invention for—"Improvements in mowing-machines and in apparatus applicable to adapt the same for brushing and sweeping." *Letters Patent sealed.*
- MACMILLAN.
21st October 1868. 3226. CATHERINE MACMILLAN, of 27, Northumberland Place, Sunderland, in the County of Durham, Widow, Administratrix of the late William Jardine Combe MacMillan, for an invention for—"Improvements in protecting iron ships and other submerged surfaces from corrosion and marine growths, and in compositions to be so employed."—*A communication to her by her late husband, William Jardine Combe MacMillan, who died on the fifth day of March 1868, and whom she believes was the first and true inventor thereof.* *Letters Patent sealed.*
- FOSTER.
21st October 1868. 3227. WALTER KITTREDGE FOSTER, of the State of Massachusetts, of the United States of America, for an invention for—"Certain new and useful improvements in carriage wheels." *Complete specification: Letters Patent sealed.*
- BENNETT,
WARD.
22nd October 1868. 3228. FREDERICK BENNETT, and RICHARD WARD, both of New Broad Street, in the City of London, for an invention for—"A new mode of and means or apparatus for facilitating the capture of whales and other fish or animals."—*Partly a communication to them from abroad by John Clayton Randall, of Hobart Town, in the Island of Tasmania, and partly an invention or discovery made by one of them, namely, the said Frederick Bennett.* *Letters Patent sealed.*

WINSLOW. 22nd October 1868.	3229. KENELM JOHN WINSLOW, of Montpelier Row, Twickenham, in the County of Middlesex, Civil Engineer, for an invention for—"An improved method of conveying rotary motion to axles." <i>Provisional protection only.</i>
MENNONS. 22nd October 1868.	3230. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of 96, Newgate Street, in the City of London, and 51, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"An improved engine for raising and forcing water."— <i>A communication from Philip Syng Justice, a person resident at Philadelphia, United States of America.</i> <i>Letters Patent sealed.</i>
RYDER. 22nd October 1868.	3231. JOHN RYDER, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in 'kilns' for burning bricks, lime or other similar materials." <i>Letters Patent sealed.</i>
AKRILL. 22nd October 1868.	3232. CHARLES AKRILL, of Abbey Road, West Ham, in the County of Essex, for an invention for—"Improvements in apparatus for burning creosote and other combustible liquids." <i>Provisional protection only.</i>
BOUSFIELD. 22nd October 1868.	3233. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for propelling water craft."— <i>A communication to him from abroad by Edwin Sabine Renwick, a person resident at Beach Street, New York, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
ABEL. 22nd October 1868.	3234. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of railways and in the rolling stock and structures therefor."— <i>A communication to him from abroad by Baron Ludwig Almos Lo Presti, of Pesth, in the Empire of Austria.</i> <i>Letters Patent sealed.</i>
CARR. 22nd October 1868.	3235. THOMAS CARR, of Richmond Road, Montpelier, in the City of Bristol, in the County of the same City, Engineer, for an invention for—"Improvements in or applicable to machinery for disintegrating or pulverising minerals, ores, clays, chemicals, artificial manures and various other substances and articles of manufacture, and for mixing or separating various materials, and for dispersing fluids, semi-fluids and molten metals, to facilitate or produce chemical or other changes." <i>Letters Patent sealed.</i>
CARRINGTON. GIELGUD. WESSELY. 23rd October 1868.	3236. WILLIAM THOMAS CARRINGTON, of No. 10, Park Street, Westminster, in the County of Middlesex, and HENRY GIELGUD, of No. 3, George Yard, in the City of London, and ZDENKO LEOPOLD WESSELY, of No. 3, George Yard, aforesaid, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
BÉRARD. 23rd October 1868.	3237. ARISTIDE BALTHAZARD BÉRARD, of Avenue Montaigne, Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in the processes and apparatuses for converting cast iron into steel." <i>Complete specification; Letters Patent sealed.</i>
DOWLING. 23rd October 1868.	3238. ROBERT DOWLING, of the City of Exeter, for an invention for—"Improvements in bottles particularly intended for containing poisons, and in stoppers for the same." <i>Letters Patent sealed; no specification filed.</i>
WALKER. 23rd October 1868.	3239. THOMAS WALKER, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improved lever buckle or fastening for scarfs, neckties, braces, belts, garters and other articles of wearing-apparel." <i>Provisional protection only.</i>
BIRCH. 23rd October 1868.	3240. JOHN BIRCH, of the Railway Steel Plant Company, Limited, of Newton Heath, in the County of Lancaster, for an invention for—"Certain improvements in the method or process of casting Bessemer steel ingots and in apparatus connected therewith." <i>Letters Patent sealed.</i>
TONKIN. 23rd October 1868.	3241. WALTER WILLIAM TONKIN, of 141, De Beauvoir Road, Kingsland, in the County of Middlesex, Engineer, for an invention for—"Improvements in the valves of engines or pumps." <i>Provisional protection only.</i>
DE REDON. FAUCHEUX. 23rd October 1868.	3242. JEAN DE REDON, of No. 21, Caversham Road, Kentish Road, in the County of Middlesex, Engineer, and THEODORE FAUCHEUX, of the same place, for an invention for—"Improvements in the manufacture of cigars and cigarettes, and in the apparatus for effecting the same." <i>Provisional protection only.</i>

- GREGSON.
MONK.
23rd October 1868.
SAUTTER.
23rd October 1868.
SAUTTER.
23rd October 1868.
JAMES.
23rd October 1868.
BERNARD.
23rd October 1868.
BAGGS.
24th October 1868.
ANDERSON.
24th October 1868.
SPRATT.
24th October 1868.
HUNT.
24th October 1868.
BURN.
EYLAND.
24th October 1868.
DAVIS.
24th October 1868.
NURSE.
24th October 1868.
WIMBRIDGE.
24th October 1868.
GIRAUD.
24th October 1868.
REID.
24th October 1868.
3243. JAMES GREGSON, of Preston, in the County of Lancaster, Machinist, and WILLIAM MONK, of the same place, Machinist, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
3244. MAURICE SAUTTER, of Rue de la Chaussée d'Antin, No. 50, Paris, in the Empire of France, for an invention for—"Improvements in preparing wool."—*A communication from Louis Robbins, of New York, United States of America.*
Letters Patent sealed.
3245. MAURICE SAUTTER, of Rue de la Chaussée d'Antin, No. 50, Paris, in the Empire of France, for an invention for—"Improvements in preparing fibre from bamboo or cane for the manufacture of textile fabrics."—*A communication from Louis Robbins, a person resident at New York, and John Southmayd, a person resident at New Jersey, United States of America.*
Letters Patent sealed.
3246. CHARLES BARTLEET JAMES, of Redditch, in the County of Worcester, Needle Manufacturer, for an invention for—"Improvements in needle cases and wrappers."
Letters Patent sealed.
3247. JULIAN BERNARD, of Salisbury Street, Strand, in the County of Middlesex, for an invention for—"Improvements in preparing and dressing ores and minerals, and in the machinery or apparatus employed therein."
Letters Patent sealed.
3248. ISHAM BAGGS, of High Holborn, in the County of Middlesex, Practical Chemist, for an invention for—"Improvements in smelting, carburizing and purifying iron."
Letters Patent sealed.
3249. JAMES ANDERSON, of Ballymacarrett, in the County of Down, in Ireland Felt Manufacturer, for an invention for—"Improvements in the manufacture of felts and in machinery connected therewith."
Letters Patent sealed.
3250. JAMES SPRATT, of High Holborn, in the County of Middlesex, Manufacturer, for an invention for—"Improved preparations of food for horses, cattle, game, poultry and other domestic animals, such preparations being capable of admixture with compounds for the production of a medicated food for man."
Letters Patent sealed.
3251. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in power capstans."—*A communication to him from abroad by David Newell Brown Coffin, junior, of Newton, Thomas Hunter Johnston, of Charlestown, and Benjamin Woodward, of Somerville, all in the County of Middlesex, Massachusetts, United States of America.*
Letters Patent sealed.
3252. ROBERT SCOTT BURN, of Manchester, in the County of Lancaster, Architect, and EDWARD SAMUEL EYLAND, of Bristol, Architect, for an invention for—"Improvements in the construction of conservatories, glasshouses, and structures in which capability of contraction and expansion may be desired."
Provisional protection only.
3253. CHARLES WILLIAM DAVIS, of King Edward Street, in the City of London, for an invention for—"Improvements in the manufacture of paper collars, cuffs and similar articles."
Provisional protection only.
3254. GEORGE NURSE, late of Pontymister, in the County of Monmouth, but now of Dortmund, Westphalia, Prussia, for an invention for—"Improvements in apparatus employed in connection with the coating of metals."
Letters Patent sealed.
3255. EDWARD WIMBRIDGE, of Great James Street, in the County of Middlesex, for an invention for—"Improvements in preparing or manufacturing blocks for surface printing."
Letters Patent sealed.
3256. ANDRÉ GIRAUD, of Gray's Inn Road, in the County of Middlesex, Gentleman, for an invention for—"Improvements in separating silver from argentiferous lead, in purifying lead, and in apparatus for the same."
Letters Patent sealed.
3257. WILLIAM REID, of Granton, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in trucks or wagons for the conveyance of cattle on railways, and in apparatus or means to be employed for feeding and watering the cattle during the journey, and for ventilating the trucks or wagons."
Letters Patent sealed.

JAMES. 24th October 1868.	3258. WILLIAM GEORGE JAMES, of Queen's Square, in the County of Middlesex, Engineer, for an invention for—"An improved mode of and apparatus for propelling ships or vessels and land carriages." <i>Provisional protection only.</i>
CLARK. 24th October 1868.	3259. SAMUEL CLARK, of the Rother Iron Works Company, Rye, in the County of Sussex, Engineer, for an invention for—"Improvements in machinery or apparatus for cleaning and decorticating cotton."— <i>Partly a communication to him from abroad by Felix Figon, of Beyrout, Syria, Merchant, and partly his own invention.</i> <i>Letters Patent sealed.</i>
NEWTON. 24th October 1868.	3260. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam pumps."— <i>A communication to him from abroad by Samuel Williston, James Sutherland, and Joseph Winslow Winslow, all of East Hampton, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
MAYHEW. 24th October 1868.	3261. HENRY MAYHEW, of Museum Street, Bloomsbury, in the County of Middlesex, Gentleman, for an invention for—"An improved button fastening." <i>Letters Patent sealed.</i>
GEDGE. 24th October 1868.	3262. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved glove fastening."— <i>A communication to him from abroad by Joseph Mathieu Cheuses and Edouard Nicolas Popard, both of 39, Faubourg Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
KIEFFER. 24th October 1868.	3263. JOSEPH LOUIS KIEFFER, of Haguenau, in the French Empire, and at present temporarily of Mark Lane, in the City of London, Sewing-Machine Manufacturer, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
RIPPINGILLE. 24th October 1868.	3264. EDWARD ALEXANDER RIPPINGILLE, of Holborn Hill, in the County of Middlesex, for an invention for—"Improvements in means or apparatus employed when obtaining motive-power, parts of which improvements are also applicable to other purposes." <i>Provisional protection only.</i>
SILVESTER. 24th October 1868.	3265. JOHN SILVESTER, of the firm of George Salter and Company, of West Bromwich, in the County of Stafford, Manufacturers, for an invention for—"Improvements in pressure or steam gauges." <i>Provisional protection only.</i>
DAWES. 24th October 1868.	3266. WILLIAM DAWES, of Blenheim Place and Kingston Grove Leeds, in the County of York, Engineer, and Organ and Harmonium Manufacturer, for an invention for—"An improved pulley block." <i>Provisional protection only.</i>
CRANE. 26th October 1868.	3267. PATRICK MOIR CRANE, of Manchester, in the County of Lancaster, Oil Manufacturer, for an invention for—"An improved compound or size to be used in sizing and dressing cotton yarns or cotton warps." <i>Letters Patent sealed.</i>
HEASLER. 26th October 1868.	3268. WILLIAM HEASLER, of Greenwich, in the County of Kent, for an invention for—"Improvements in machinery for coating wire with india-rubber, gutta-percha and other materials, for telegraphic and other purposes." <i>Provisional protection only.</i>
NICOLL. 26th October 1868.	3269. BENJAMIN NICOLL, of Regent Street, in the County of Middlesex, Shirt Manufacturer, for an invention for—"An improved plastic composition suitable for ornamenting walls, floors, roofs and ceilings of buildings, and for the manufacture of mantle-pieces, pillars, pilasters and other like parts of buildings." <i>Letters Patent sealed.</i>
HARRISON. WILSON. 26th October 1868.	3270. CHARLES HARRISON, of the City of Manchester, Engineer, and ROBERT WILSON, of Number 2, Parsonage, in the City of Manchester, Hardware Merchant, for an invention for—"New (or improved) apparatus for indicating a rise or fall of temperature for fire alarm and other purposes." <i>Provisional protection only.</i>
LOADER. CHILD. 26th October 1868.	3271. JOHN LOADER, and WILLIAM HENRY CHILD, both of Finsbury, in the County of Middlesex, for an invention for—"Improvements in rotary engines." <i>Provisional protection only.</i>
LYTTLE. 26th October 1868.	3272. WILLIAM ALEXANDER LYTTLE, of the General Post Office, London, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in electro-telegraphic instruments." <i>Provisional protection only.</i>

- GEDGE.**
26th October 1868. 3273. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved gas-burner."—*A communication to him from abroad by Joseph Rousselot, of Paris, France, Manufacturer of Gas Apparatus. Letters Patent sealed.*
- BOULTON.**
26th October 1868. 3274. WILLIAM BOULTON, of Providence Foundry, Burslem, in the County of Stafford, Engineer and Ironfounder, for an invention for—"Improvements in the method of and machinery or apparatus for manufacturing oval and irregular shaped articles of pottery." *Letters Patent sealed.*
- JONES.
BIDDER.**
26th October 1868. 3275. JOHN JONES, of Chestnut House, Stratford, in the County of Essex, and SAMUEL PARKER BIDDER the younger, of Hillfield, Mitcham, in the County of Surrey, for an invention for—"Improvements in the means and apparatus for breaking down coal, stone and other minerals." *Provisional protection only.*
- SPEIGHT.
FRANCE.**
26th October 1868. 3276. THOMAS SPEIGHT the elder, of Bradford, in the County of York, Machine Wool Comber, and WILLIAM HENRY FRANCE, of the same place, Machine Wool Comb Maker, for an invention for—"Improvements in wool-combing machines." *Letters Patent sealed.*
- PRIESTLEY.
DEIGHTON.**
26th October 1868. 3277. THOMAS PRIESTLEY, of Bradford, in the County of York, Manufacturer, and WILLIAM DEIGHTON, of the same place, Mechanic, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- MORT.**
26th October 1868. 3278. WILLIAM MORT, of Fenchurch Street, in the City of London, for an invention for—"An improved method of and apparatus for obtaining reduction of temperature by the expansion of air or other permanent gases, in special connection with the preservation of articles of food, the manufacture of ice, cooling of rooms and liquids."—*A communication to him from abroad by Thomas Sutcliffe Mort and Eugene Dominique Nicolle, of Sydney, in the Colony of New South Wales. Complete specification; Letters Patent sealed.*
- RANSOME.**
26th October 1868. 3279. FREDERICK RANSOME, of Queen Street Place, Southwark Bridge, in the City of London, for an invention for—"Improvements in preserving and hardening stone, brick, cement and other building materials." *Letters Patent sealed.*
- CLARK.**
26th October 1868. 3280. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the means of and machinery for scouring wool."—*A communication to him from abroad by Auguste Martel-Delespierre, Machinist, and Henri Rousseau, Wool Merchant, both of 13, Boulevard St. Martin, Paris. Letters Patent sealed.*
- GEDGE.**
27th October 1868. 3281. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture and application of salt-stones or lumps of salt for consumption by cattle, sheep and other animals."—*A communication to him from abroad by Charles Louis Weisgerber, Gentleman, and Eusèbe Schill, Veterinary Surgeon, both of 37, Boulevard Bonne Nouvelle, Paris, France. Provisional protection only.*
- SMITH.**
27th October 1868. 3282. AMBROSE HUDD SMITH, of No. 7, Mall Place, Clifton, in the County of Gloucester, Plumber and Gas Fitter, for an invention for—"Improvements in the method of and apparatus for warming and heating churches, chapels and other buildings." *Letters Patent sealed.*
- ZANNI.**
27th October 1868. 3283. GEMINIANO ZANNI, of Ironmonger Lane, in the City of London and County of Middlesex, for an invention for—"Improvements in electro-magnetic telegraph printing instruments." *Letters Patent sealed.*
- HICKLING.**
27th October 1868. 3284. WILLIAM EDWIN HICKLING, of Spittlegate, in the County of Lincoln, for an invention for—"Improved machinery for washing casks and such like articles." *Provisional protection only.*
- LITTLE.**
27th October 1868. 3285. JOHN LITTLE, of the firm of Stevenson and Little, of Glasgow, in the County of Lanark, North Britain, Glass Bottle Manufacturers, for an invention for—"Improvements in glass furnaces." *Provisional protection only.*
- O'HEA.
BULLEN.**
27th October 1868. 3286. JOHN BRYAN O'HEA, of Greenwich, in the County of Kent, late Captain in Her Majesty's Twenty-fifth Regiment, and WILLIAM BULLEN, of Brixton, in the County of Surrey, for an invention for—"Improvements in breech-loading fire-arms and in cartridges to be used therewith, which improvements are also applicable to breech-loading ordnance and their cartridges." *Letters Patent sealed.*

FAJEN. 27th October 1868.	3287. GUSTAV FAJEN, of Leighton Road, Kentish Town, in the County of Middlesex, Engineer, for an invention for—"Improvements in ventilators or smoke exhausters applicable to chimneys of dwelling houses and other similar buildings." <i>Provisional protection only.</i>
YOUNG. 27th October 1868.	3288. WILLIAM DENOON YOUNG, of Edinburgh, in the County of Midlothian, North Britain, Iron and Wire Fence Manufacturer, for an invention for—"Improvements in making tiles or plates of iron, zinc or other metal sheets, to be used for roofing and for iron houses and other structures." <i>Letters Patent sealed.</i>
WALLACE. 27th October 1868.	3289. JAMES WALLACE, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in dental appliances." <i>Letters Patent sealed.</i>
VAN HECKE. 27th October 1868.	3290. ENGLEBERT THÉOPHILÉ VAN HECKE (Civil Engineer), of Courbevoie, near Paris, in the Empire of France, for an invention for—"Improvements in locomotive engines." <i>Letters Patent sealed.</i>
JOHNSON. 27th October 1868.	3291. JOHN JOHNSON, of Chandos Chambers, Adelphi, in the City of Westminster, Architect and Surveyor, for an invention for—"Improvements in apparatus applicable to window frames for raising or lowering sashes and shutters." <i>Letters Patent sealed.</i>
MORDUE. 28th October 1868.	3292. THOMAS MORDUE, Marine Draughtsman, in the employ of Messieurs Robert Stephenson and Company, Engineers, of the Town and County of Newcastle-upon-Tyne, for an invention for—"Improvements in steam-boilers for marine engines." <i>Letters Patent sealed.</i>
HAMILTON. 28th October 1868.	3293. ROBERT HAMILTON, of Auchinheath, Lesmahagow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in railway chairs." <i>Provisional protection only.</i>
SANDERS. 28th October 1868.	3294. HENRY JOHN SANDERS, of Brighouse, in the County of York, Commercial Traveller, for an invention for—"Improved means or apparatus for regulating the flow or discharge of liquids from two or more vessels simultaneously." <i>Provisional protection only.</i>
MORAN. 28th October 1868.	3295. JOSEPH MORAN, of 15, Merchants' Quay, in the City of Dublin, Leather Merchant, for an invention for—"Improvements in the manufacture of boots and shoes." <i>Provisional protection only.</i>
SOUL. 28th October 1868.	3296. MATTHEW AUGUSTUS SOUL, of No. 14, Finsbury Place, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in parts of the permanent way of railways."— <i>A communication to him from abroad by John Gregory, of Lisbon, in the Kingdom of Portugal, Engineer.</i> <i>Letters Patent sealed.</i>
BROOMAN. 28th October 1868.	3297. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the condensers of steam-engines."— <i>A communication to him from abroad by S. A. Goodwin, of Buffalo, in the United States of America.</i> <i>Provisional protection only.</i>
WILSON. 28th October 1868.	3298. ANTHONY WILSON, of Barrow-in-Furness, in the County of Lancaster, Pattern Maker, for an invention for—"Improvements in metallic moulds for casting metals." <i>Letters Patent sealed.</i>
DAWES. 28th October 1868.	3299. WILLIAM DAWES, of Blenheim Place and Kingston Grove, Leeds, in the County of York, Engineer and Organ and Harmonium Manufacturer, for an invention for—"Improvements in pianofortes." <i>Provisional protection only.</i>
DONISTHORPE. 28th October 1868.	3300. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in packing the pistons and other parts of steam and other engines." <i>Letters Patent sealed.</i>
COW, HILL. 28th October 1868.	3301. PETER BRUSEY COW, and JOHN HILL, of Cheapside, in the City of London, for an invention for—"Improvements in the manufacture of tooth brushes and other brushes." <i>Letters Patent sealed.</i>
KELSON. 28th October 1868.	3302. CHARLES KELSON, of Allhallows Chambers, 49, Lombard Street, in the City of London, for an invention for—"Improvements in horse collars."— <i>A communication to him from abroad by Charles Kimball Marshall, a person resident at New Orleans, State of Louisiana, United States of America.</i> <i>Provisional protection only.</i>

- PROWETT.**
28th October 1868. 3303. WILLIAM PROWETT, of Wellington Cottage, Gillingham, in the County of Kent, for an invention for—"Improvements in knitting machines."
Provisional protection only.
- TONGUE.**
28th October 1868. 3304. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"A new and improved combination, application and arrangement of apparatus for giving warning signals or otherwise indicating the presence of fire, or any undue increase or variation of temperature in apartments, buildings, vessels, mines or other places."—*A communication to him from abroad by Jules Leblan, Spinner, at present residing in Paris, in the Empire of France.*
Letters Patent sealed.
- BENSON.**
29th October 1868. 3305. MARTIN BENSON, of 14, Hinde Street, Manchester Square, in the County of Middlesex, for an invention for—"Improvements in shaft couplings."—*A communication to him from abroad by John Richards, of Cincinnati, Ohio, United States.*
Letters Patent sealed.
- DOBSON.**
CLOUGH.
29th October 1868. 3306. BENJAMIN DOBSON, of the firm of Messieurs Dobson and Barlow, of Bolton, in the County of Lancaster, Machine Makers, and JAMES CLOUGH, of the same place, Foreman, for an invention for—"Certain improvements in machinery for preparing cotton and other fibrous substances."
Letters Patent sealed.
- MELDRUM.**
29th October 1868. 3307. ROBERT MELDRUM, of Pittormie, Cupar, in the County of Fife, North Britain, for an invention for—"Improvements in and apparatus for the utilization of waste steam from steam cylinders, for the increase of power."
Provisional protection only.
- BLANCHON.**
29th October 1868. 3308. FRANÇOIS ARMAND BLANCHON, of Paris, France, Gentleman, for an invention for—"Improvements in tops."
Letters Patent sealed.
- LIDDELL.**
29th October 1868. 3309. WILLIAM HODGSON LIDDELL, residing at 141, West Port, Edinburgh, Tanner, Currier and Japanner, for an invention for—"Improvements in treating all kinds of pig skins in the processes of preparation, tanning, currying, enamelling and japanning, and in utilizing the products."
Letters Patent sealed.
- WHYTE.**
WHYTE.
29th October 1868. 3310. QUINTIN WHYTE, and JOHN WHYTE, both of the City of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- SCOTT.**
29th October 1868. 3311. WILLIAM SCOTT, of Leeds, in the County of York, Pattern Maker, for an invention for—"Improvements in machinery or apparatus for drying and cleansing wool or other fibrous substances."
Provisional protection only.
- ADAMS.**
ADAMS.
29th October 1868. 3312. JOSEPH ADAMS, of Barnsbury, in the County of Middlesex, and WILLIAM ADAMS, of York Road, Islington, in the said County, Brick and Tile Manufacturers, for an invention for—"Improvements in the manufacture of bricks and tiles."
Letters Patent sealed.
- HEATON.**
29th October 1868. 3313. JOHN HEATON, of Langley Mills, in the County of Derby, Engineer, for an invention for—"Improvements in the production of iron and steel."
Letters Patent sealed.
- WALLWORK.**
29th October 1868. 3314. HENRY WALLWORK, of the City of Manchester, in the County of Lancaster, Ironfounder and Engineer, for an invention for—"Improvements in taps or valves."
Letters Patent sealed.
- OXLAND.**
29th October 1868. 3315. ROBERT OXLAND, of Compton Gifford, Plymouth, in the County of Devon, for an invention for—"Improvements in the treatment of ores and minerals for the extraction of tin."
Letters Patent sealed.
- BROWN.**
30th October 1868. 3316. WILLIAM BROWN, of Smethwick, in the County of Stafford, Iron Master, for an invention for—"Improvements in machinery for rolling metals."
Letters Patent sealed.
- PATERSON.**
30th October 1868. 3317. ALEXANDER SEATON PATERSON, Merchant, of Cincinnati, Ohio, in the United States of America, but at present residing at Bridge of Allan, in the County of Stirling, North Britain, for an invention for—"Improvements in heels for boots and shoes."
Provisional protection only.
- COLLINS.**
30th October 1868. 3318. WILLIAM COLLINS, junior, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in separating and feeding or removing paper and other sheets from a pile, and in apparatus therefor." *Letters Patent sealed.*

WRIGHT. 30th October 1868.	3319. JOSIAH WRIGHT, of Sheffield, in the County of York, Printers' Reader, for an invention for—"Improvements in portable printing or embossing presses and in appliances connected therewith." <i>Provisional protection only.</i>
ALLIX. 30th October 1868.	3320. GEORGE ALLIX, of Southampton, in the County of Hants, for an invention for—"Improvements in apparatus for raising, lowering and disengaging ships' boats." <i>Provisional protection only.</i>
SHARROCK. 30th October 1868.	3321. SAMUEL SHARROCK, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in lamp-posts." <i>Letters Patent sealed.</i>
DANDO. 30th October 1868.	3322. WILLIAM ELBERT DANDO, of Manchester, in the County of Lancaster, for an invention for—"Improved mourning hats." <i>Provisional protection only.</i>
IRVINE. 30th October 1868.	3323. ROBERT IRVINE, of No. 9, Baltic Street, Leith, North Britain, Chemist, for an invention for—"Improvements in the production of alcoholic liquors." <i>Provisional protection only.</i>
BRÖNNER. 31st October 1868.	3324. JULIUS BRÖNNER, of Frankfort-on-the-Maine, in the Kingdom of Prussia, Manufacturer, for an invention for—"An improved construction and application of shades to gas lights." <i>Letters Patent sealed.</i>
BATES. DODD. 31st October 1868.	3325. WILLIAM EDWIN BATES, and THOMAS DODD, both of Northwich, in the County of Chester, for an invention for—"Certain improvements in machinery or apparatus for cracking nuts." <i>Letters Patent sealed.</i>
CLARK. 31st October 1868.	3326. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in sewing-machines." —A communication to him from abroad by Jean Henri Cazal, Civil Engineer, of 13, Boulevard St. Martin, Paris. <i>Letters Patent sealed.</i>
LANGFORD. 31st October 1868.	3327. JOHN LANGFORD, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in non-conductors of heat for the handles of teapots and other vessels, and for other like purposes." <i>Provisional protection only.</i>
DICKINSON. 31st October 1868.	3328. BENJAMIN DICKINSON, of Hopetown, Darjeeling, India, Tea-planter, for an invention for—"Improvements in propelling and manœuvring ships and other vessels, and in the apparatus and means employed for such purposes." <i>Letters Patent sealed.</i>
VARLEY. 31st October 1868.	3329. SAMUEL ALFRED VARLEY, of the firm of Cornelius and Samuel Alfred Varley, 66, Roman Road, Holloway, in the County of Middlesex, Telegraph Engineers and Contractors, for an invention for—"Improvements in generating static electricity." <i>Provisional protection only.</i>
MUNRO. ADAMSON. 31st October 1868.	3330. ARCHIBALD MUNRO, of Arbroath, in the County of Forfar, North Britain, and WILLIAM BENNET ADAMSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of iron, steel and other metallic substances, such improvements being also applicable to the manufacture of tools made of the same materials." <i>Provisional protection only.</i>
AULT. 2nd November 1868.	3331. SAMUEL AULT, of Bridgtown, near Cannock, in the County of Stafford, Edge Tool Maker, for an invention for—"Improvements in plastering trowels." <i>Letters Patent sealed.</i>
LODGE. 2nd November 1868.	3332. JOHN LODGE, of Yeadon, near Leeds, in the County of York, Loom Tuner, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
LABITTE. 2nd November 1868.	3333. FRANÇOIS THÉODULE LABITTE, of No. 49, Rue de Rivoli, Paris, in the Empire of France, Civil Engineer, for an invention for—"A new mode of advertising." <i>Provisional protection not allowed.</i>
DANNATT. TURNBULL. 2nd November 1868.	3334. JAMES DANNATT, and THOMAS SCOTT TURNBULL, both of Sunderland, in the County of Durham, for an invention for—"An improvement or improvements in garments for saving life in case of immersion at sea or otherwise." <i>Letters Patent sealed.</i>
VAVASSEUR. 2nd November 1868.	3335. JOSIAH VAVASSEUR, of the London Ordnance Works, Bear Lane, Southwark, for an invention for—"Improvements in apparatus for discharging ordnance." <i>Letters Patent sealed.</i>

BERTIE. 2nd November 1868.	3336. JOSEPH HUME BERTIE, of Sherwood Street, Nottingham, Lace Draughtsman, for an invention for—"Improvements in the manufacture of lace in twist lace machines." <i>Letters Patent sealed.</i>
MOORE. 3rd November 1868.	3337. JAMES MOORE, of Moston, near Failsworth, near the City of Manchester, Silk Manufacturer, for an invention for—"Certain improvements in the manufacture of woven fabrics." <i>Provisional protection only.</i>
BERENGER. 3rd November 1868.	3338. LAURENT BERENGER, Tailor, of 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"An improved machine for ironing and pressing cloth or other materials." <i>Letters Patent sealed.</i>
MAIN. 3rd November 1868.	3339. JAMES ANDREW RAMSAY MAIN, of Glasgow, in the County of Lanark, North Britain, Iron Fence Manufacturer, for an invention for—"Improvements in iron sheds for agricultural produce and applicable otherwise." <i>Letters Patent sealed.</i>
BARTON. 3rd November 1868.	3340. EDWIN BARTON, of No. 31, Robinson Road, Victoria Park, in the County of Middlesex, for an invention for—"Improvements in scarves or neckties." <i>Provisional protection only.</i>
SCHUMAN. 3rd November 1868.	3341. SIGISMUND SCHUMAN, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in treating and utilizing faecal matters, and in the apparatus employed therefor." <i>Provisional protection only.</i>
JOHNSON. 3rd November 1868.	3342. BRYAN JOHNSON, of Chester, in the County of Chester, Engineer, for an invention for—"New or improved torsion springs."— <i>A communication to him from abroad by Joseph Ellicott Holmes, of New York, in the United States of America.</i> <i>Provisional protection only.</i>
MORANT. 3rd November 1868.	3343. GEORGE FRANCIS MORANT, of Frenchay, in the County of Gloucester, Major in the Cape Mounted Regiment of Riflemen, for an invention for—"Improvements in cases for packing game." <i>Letters Patent sealed.</i>
LAKE. 4th November 1868.	3344. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved low-water alarm apparatus for steam-boilers."— <i>A communication to him from abroad by Theodore F. Taylor, of Philadelphia, Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
BECKLEY. 4th November 1868.	3345. ROBERT WHITTINGHAM BECKLEY, of Ludgate Street, in the City of London, Warehouseman, for an invention for—"An improved pen-rest, applicable also to inkstands." <i>Letters Patent sealed.</i>
SAMUELSON. 4th November 1868.	3346. MARTIN SAMUELSON, of 4, County Buildings, Hull, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of corrugated plates to be used as envelopes in lieu of hair cloths, in the pressing of fatty and oleaginous substances, and especially in the manufacture of oil cake, and new (or improved) apparatus to be used in such manufacture." <i>Provisional protection only.</i>
HOLDEN. 4th November 1868.	3347. EDWARD HOLDEN, of Laurel Mount, Baildon, near Leeds, in the County of York, for an invention for—"Improvements in apparatus for preparing wool or other fibres." <i>Letters Patent sealed.</i>
NEWTON. 4th November 1868.	3348. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in atmospheric water-elevating engines."— <i>A communication to him from abroad by Andrew Jackson Reynolds, of Chicago, in the State of Illinois, and James John Newell, of Adrian, in the State of Michigan, United States of America.</i> <i>Provisional protection only.</i>
HUGHES. 4th November 1868.	3349. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of furred threads and furred fabrics, and in the machinery or apparatus connected therewith."— <i>A communication to him from abroad by François Vouillon, of Louviers, in the Empire of France.</i> <i>Provisional protection only.</i>
HOLT. HOLT. HOLT. MAUDE. 4th November 1868.	3350. ISAAC HOLT, WILLIAM HOLT, JAMES HOLT, and JOSEPH MAUDE, of Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery for spinning and doubling fibrous materials." <i>Letters Patent sealed.</i>

HOUGHTON. 4th November 1868.	3351. JAMES BARNES HOUGHTON, of 18, Parliament Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in holders for umbrellas, sticks and other articles." <i>Provisional protection only.</i>
SAUTTER. 4th November 1868.	3352. MAURICE SAUTTER, residing at No. 50, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"Improvements in preparing and preserving vegetable and animal substances."— <i>A communication from William Ogden Giles, a person resident at New York, United States of America.</i> <i>Letters Patent sealed.</i>
WARD. HURST. TUER. 5th November 1868.	3353. SAMUEL WARD, of Farnworth, in the County of Lancaster, Manager, WILLIAM HURST, of the same place, Manufacturer, and JOHN TUER, of the firm of Tuer Brothers and Company, of the same place, Machine Makers, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
BURT. 5th November 1868.	3354. THOMAS BURT, of Wandsworth Road, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in floating dredgers or machinery for loosening, raising, transporting and depositing sand, gravel and mud."— <i>A communication to him from abroad by James Burt, of Velsom, North Holland.</i> <i>Provisional protection only.</i>
JEWITT. 5th November 1868.	3355. HENRY JEWITT, of Kentish Town, in the County of Middlesex, for an invention for—"Improvements in slabs or blocks for erecting toy houses and other buildings."— <i>A communication to him from abroad by William W. Rose, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
ROBINSON. 5th November 1868.	3356. THOMAS ROBINSON, of Widnes, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of iron and steel." <i>Provisional protection only.</i>
COOK. 5th November 1868.	3357. RICHARD COOK, of the firm of Robert Cook and Co., "Limited," of Hathersage (near Sheffield), in the County of Derby, Manufacturers and Merchants, for an invention for—"Improvements in the manufacture of bobbins, spools, wharles and tubes employed in spinning and twisting wool, worsted, cotton, silk, flax or other fibrous substances." <i>Provisional protection only.</i>
NEEDHAM. 5th November 1868.	3358. RICHARD NEEDHAM, of Dukinfield, in the County of Chester, Engineer, for an invention for—"Improvements in the scrapers of fuel economizers and steam generators." <i>Letters Patent sealed.</i>
HUNT. 5th November 1868.	3359. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"An improved electro-physiological battery for application to the human body."— <i>A communication to him from abroad by Alfred Charles Garratt, of Boston, Massachusetts, in the United States of America, Doctor of Medicine.</i> <i>Letters Patent sealed.</i>
CLARK. 5th November 1868.	3360. JOHN CLARK, of Kendal, in the County of Westmoreland, Bobbin Manufacturer, for an invention for—"Improvements in machinery or apparatus for turning, boring, cutting and shaping wood for bobbins and similar articles." <i>Letters Patent sealed.</i>
REID. 5th November 1868.	3361. ALEXANDER REID, of Arbroath, in the County of Forfar, North Britain, for an invention for—"Improvements in machinery or apparatus for rolling tobacco." <i>Letters Patent sealed.</i>
CORBETT. 5th November 1868.	3362. JOHN CORBETT, of 11, Sekfords Street, Clerkenwell, in the County of Middlesex, Clock Maker, for an invention for—"Improvements in railway carriages." <i>Letters Patent sealed.</i>
BRICKNELL. 5th November 1868.	3363. AUGUSTUS LEA BRICKNELL, of Stratford-upon-Avon, in the County of Warwick, for an invention for—"Improvements in apparatus applicable as a rotary engine, pump and water meter." <i>Letters Patent sealed.</i>
EDWARDS. 5th November 1868.	3364. JOHN EDWARDS, of 157, Richmond Road, Hackney, in the County of Middlesex, for an invention for—"Improvements in harness and connections for connecting the same to carriages." <i>Provisional protection only.</i>
LAKE. 5th November 1868.	3365. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for nailing or pegging soles to boots or shoes."— <i>A communication to him from abroad by Elmer Townsend, of Boston, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>

ROBINSON. 6th November 1868.	3366. ARTHUR HENRY ROBINSON, of Clyde Road, in the County of Dublin, Engineer, for an invention for—"Improvements in cocks or taps." <i>Provisional protection only.</i>
ARCHER. 6th November 1868.	3367. CHARLES ARCHER, of Holloway Road, in the County of Middlesex, Cigar Merchant, for an invention for—"Improvements in the manufacture of cigars." <i>Provisional protection only.</i>
JOHNSON. 6th November 1868.	3368. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment of carbonate of lime for the preparation of pigments therefrom, and in the apparatus employed therein."— <i>A communication to him from abroad by Charles Jules de Bras de Fer, of Paris, in the Empire of France, Commander of the Legion of Honour.</i> <i>Provisional protection only.</i>
LUCAS. LUCAS. 6th November 1868.	3369. THOMAS LUCAS, of Barnes, in the County of Surrey, and THOMAS PALMER LUCAS, of Bromley, in the County of Kent, for an invention for—"An improved method of fastening railway and other carriage doors." <i>Letters Patent sealed; no specification filed.</i>
SAMUEL. 6th November 1868.	3370. JAMES SAMUEL, of 26, Great George Street, in the City of Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of locomotive steam carriages to be used on railways." <i>Letters Patent sealed.</i>
TAYLOR. 6th November 1868.	3371. JAMES TAYLOR the younger, of Water Heys Foundry, in Wigan, in the County of Lancaster, for an invention for—"Improvements in steam-boilers and in the furnace doors and fire bridges of steam-boilers." <i>Letters Patent sealed.</i>
PARROTT. JONES. 6th November 1868.	3372. JAMES PARROTT, of Salford, in the County of Lancaster, Millwright and Engineer, and WRIGHT JONES, of the same place, Millwright, for an invention for—"Improvements in machinery for beetling woven fabrics and other materials." <i>Letters Patent sealed.</i>
PHILIPPSON. 6th November 1868.	3373. FERDINAND CARL PHILIPPSON, of Berlin, in the Kingdom of Prussia, Engineer, but now residing in Salisbury Square, in the City of London, for an invention for—"Improvements in pumps and fire-engines." <i>Provisional protection only.</i>
MARTINEAU. 6th November 1868.	3374. FRANCIS EDGAR MARTINEAU, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in hasps for fastening doors and gates and for other like purposes, which improvements may also be applied to hinges." <i>Letters Patent sealed.</i>
HARRISON. 6th November 1868.	3375. THOMAS HARRISON, of Liverpool, in the County of Lancaster, Pianoforte Manufacturer, for an invention for—"Improvements in pianofortes." <i>Letters Patent sealed.</i>
BAKER. 6th November 1868.	3376. WILLIAM BAKER, of Wigan, in the County of Lancaster, for an invention for—"Certain improvements in furnaces and fire bars." <i>Letters Patent sealed.</i>
MENNONS. 6th November 1868.	3377. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of 96, Newgate Street, in the City of London, and 51, Rue de la Chaussée d'Antin, Paris, in the Empire of France, for an invention for—"Improvements in the mode of and apparatus for forming screw threads on wrought-iron bolts."— <i>A communication from Alexis Belaieff, a person resident at Saint Petersburg, in the Empire of Russia.</i> <i>Letters Patent sealed.</i>
IRMER. 6th November 1868.	3378. WILLIAM IRMER, of No. 17, Red Lion Street, Clerkenwell, in the County of Middlesex, for an invention for—"A new (or improved) corn-flour jelly." <i>Provisional protection only.</i>
BROUGHTON. 6th November 1868.	3379. WILLIAM BROUGHTON, of No. 8, South Street, Finsbury Market, in the County of Middlesex, for an invention for—"Improvements in kitchen ranges." <i>Letters Patent sealed.</i>
CLARK. 6th November 1868.	3380. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of ropes, cordage, lines and twines."— <i>A communication to him from abroad by Louis Gabriel Yon, Rope Maker, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>

HADDAN. 7th November 1868.	3381. JOHN COOPE HADDAN, of 39, Vincent Square, in the City of Westminster, Engineer, for an invention for—"Improvements in cannon wads and in cannon, and in the mounting of cannon on carriages." <i>Letters Patent sealed.</i>
ARNOTT. 7th November 1868.	3382. SAMUEL ARNOTT, of Alsen Road, Seven Sisters Road, Holloway, in the County of Middlesex, for an invention for—"Improvements in braces." <i>Provisional protection only.</i>
LEWTHWAITE. 7th November 1868.	3383. JOHN LEWTHWAITE, of Woburn Place, in the County of Middlesex, for an invention for—"Improvements in apparatus for boring and working in rock, stone or earth, applicable to sinking artesian and other wells, to mining and other purposes." <i>Letters Patent sealed.</i>
BROWN-WEST- HEAD. JAMES. 7th November 1868.	3384. MARCUS BROWN-WESTHEAD, of Manchester, in the County Palatine of Lancaster, Merchant, and CHARLES BARTLEET JAMES, of Redditch, in the County of Worcester, Needle Manufacturer, for an invention for—"An improved winder for packing or putting up for sale needles, pins, buttons, cotton, silk, thread, worsted or other sewing or embroidering materials, and in combining two or more of these articles in one packet." <i>Letters Patent sealed.</i>
STEFFANSON. 7th November 1868.	3385. HÅKAN STEFFANSON, of Hans Place, Brompton, in the County of Middlesex, Engineer, for an invention for—"Improvements in buffers and draw-rod fittings to be used on railways." <i>Provisional protection only.</i>
MACNEILL. 7th November 1868.	3386. SIR JOHN MACNEILL, Knight, of Kensington, in the County of Middlesex, for an invention for—"Improvements in cases or holders for containing postage or other adhesive stamps, to facilitate their application to letters or other documents, and in apparatus for damping such letters or documents." <i>Letters Patent sealed.</i>
JOHNSON. 7th November 1868.	3387. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for cutting screw threads."— <i>A communication to him from abroad by Paul Henri Ferdinand De Résener, of Paris, in the Empire of France, Engineer.</i> <i>Letters Patent sealed.</i>
STURROCK. 7th November 1868.	3388. JAMES STURROCK, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in metallic caps and in their application to bottles or other vessels." <i>Letters Patent sealed.</i>
CLARK. 7th November 1868.	3389. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for planing, mortising and otherwise preparing wood, metals and other materials."— <i>A communication to him from abroad by Charles Gabriel Nicolas Schænberg, senior, Mechanical Engineer, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CLARK. 7th November 1868.	3390. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the separation of solid matters contained in liquids and in apparatus for the same."— <i>A communication to him from abroad by Lucien Henri Blanchard and Louis Léon Henri Provost, both of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CRIDDLE. 7th November 1868.	3391. WILLIAM JAMES CRIDDLE, of Truro, in the County of Cornwall, Upholsterer, for an invention for—"Improvements in the mode of and apparatus for washing linen and other substances." <i>Provisional protection only.</i>
CORDEN. 7th November 1868.	3392. WILLIAM CORDEN, of Datchet, in the County of Bucks, Artist, for an invention for—"Improvements in lamp globes or glasses." <i>Letters Patent sealed.</i>
BOUSFIELD. 7th November 1868.	3393. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in cooling and barring soap."— <i>A communication to him from abroad by Silas Divine, a person resident at New York, United States of America.</i> <i>Letters Patent sealed.</i>
WILSON. 9th November 1868.	3394. NEWTON WILSON, of 144, High Holborn, in the County of Middlesex, Sewing-Machine Manufacturer, for an invention for—"Improvements in sewing-machines." <i>Complete specification; Letters Patent sealed.</i>
DAVIS. PARSONS. 9th November 1868.	3395. HENRY DAVIS, of Birmingham, in the County of Warwick, Glass Cutter, and JOSEPH PARSONS, of Oldswinford, in the County of Worcester, Glass Engraver, for an invention for—"A combined tobacco dish and cigar and spill rack." <i>Provisional protection only.</i>

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| <p>MANWARING.
9th November 1868.</p> <p>McHARDY.
9th November 1868.</p> <p>HUNT.
9th November 1868.</p> <p>MORGAN-BROWN.
9th November 1868.</p> <p>DE WISSOCQ.
9th November 1868.</p> <p>LAKE.
9th November 1868.</p> <p>SWEATNAM.
9th November 1868.</p> <p>BENNISON.
10th November 1868.</p> <p>ISRAEL.
10th November 1868.</p> <p>ROSE.
GIBSON.
10th November 1868.</p> <p>TYLER.
10th November 1868.</p> <p>JOHNSON.
10th November 1868.</p> <p>CLARK.
10th November 1868.</p> <p>HINE.
10th November 1868.</p> <p>WINBY.
WINBY.
10th November 1868.</p> | <p>3396. WILLIAM MANWARING, of the Britannia Iron Works, Banbury, in the County of Oxford, for an invention for—"Improvements in reaping-machines."
<i>Letters Patent sealed; no specification filed.</i></p> <p>3397. ROBERT McHARDY, of Edinburgh, in the County of Mid-Lothian, North Britain, for an invention for—"An improved implement for hoeing land and removing weeds or superfluous plants therefrom."
<i>Letters Patent sealed.</i></p> <p>3398. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"An improved woven fabric."—<i>A communication to him from abroad by Antoine Gayet the younger, of Paris, Merchant.</i>
<i>Provisional protection only.</i></p> <p>3399. WILLIAM MORGAN-BROWN, Engineer, of 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in man engines for raising water and lowering and raising men."—<i>A communication to him by Peeters Van Dyk, Mining Engineer, of the Hague, Holland.</i>
<i>Letters Patent sealed.</i></p> <p>3400. PAUL EMILE DE WISSOCQ, residing at No. 11, Rue Richepanse, Paris, in the Empire of France, for an invention for—"Improvements in treating lead ores."
<i>Letters Patent sealed.</i></p> <p>3401. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved method of securing a door knob or other handle upon a spindle."—<i>A communication to him from abroad by Matthew Andrew, of Melbourne, in the Colony of Victoria, Australia, Gentleman.</i>
<i>Letters Patent sealed.</i></p> <p>3402. JOHN LEVESON LEEK SWEATNAM, of Longton, in the County of Stafford, for an invention for—"Improvements in kilns for burning bricks, tiles, cements, pottery and porcelain ware, and other articles or substances."
<i>Provisional protection only.</i></p> <p>3403. HENRY LEONARD BENNISON, of Greenwich, in the County of Kent, Engineer, for an invention for—"An improved rotary engine and pump, to be driven by water or steam power."
<i>Letters Patent sealed.</i></p> <p>3404. LOUIS ASH ISRAEL, of No. 1, Crescent, Minories, London, E., for an invention for—"Improvements in the mode of and machinery or apparatus for manufacturing sulphuric acid."
<i>Provisional protection only.</i></p> <p>3405. THOMAS ROSE, of Oxtou, in the County of Chester, Ironfounder, and ROBERT EMERSON GIBSON, of New Brighton, in the same County, Merchant, for an invention for—"Improvements in utilizing a certain waste material obtained in treating cotton seed, and in machinery employed therein."
<i>Letters Patent sealed.</i></p> <p>3406. PHILOS BLAKE TYLER, Engineer, of 13, Rue Gaillon, Paris, Empire of France, for an invention for—"Improvements in splices for connecting the ends of rails on railways."
<i>Provisional protection only.</i></p> <p>3407. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"A mode of and means for utilizing the waste heat of furnaces employed in the manufacture of coal gas."—<i>A communication to him from abroad by Louis Coignard, of Paris, in the Empire of France.</i>
<i>Provisional protection only.</i></p> <p>3408. GEORGE CLARK, of No. 9, Northumberland Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the treatment, manufacture and use of explosive compounds."
<i>Letters Patent sealed.</i></p> <p>3409. JOHN HINE, of Cockermouth, in the County of Cumberland, Miller, for an invention for—"Improvements in apparatus for cutting or dressing millstones."
<i>Provisional protection only.</i></p> <p>3410. CLIFFORD ETCHES WINBY, and FREDERICK CHARLES WINBY, both of Cardiff, in the County of Glamorgan, Engineers, for an invention for—"Improvements in the means and mode of signalling on railways, for the purpose of preventing collisions between trains, more particularly trains following each other."
<i>Provisional protection only.</i></p> |
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WILSON. 10th November 1868.	3411. JOHN HAYS WILSON, of Liverpool, in the County of Lancaster, for an invention for—"Improvements applicable to waterclosets in ships and vessels." <i>Letters Patent sealed.</i>
GREGORY. 10th November 1868.	3412. JAMES GREGORY, of Kingswood Iron Works, near Bristol, in the County of Gloucester, Engineer and Ironfounder, for an invention for—"An improved construction of retort for charring bones to produce animal charcoal." <i>Provisional protection only.</i>
HALL. COOKE. 10th November 1868.	3413. WILLIAM HATHERTON HALL, and JOSEPH COOKE, both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in safety lamps." <i>Provisional protection only.</i>
CAIN. 10th November 1868.	3414. THOMAS CAIN, of Douglas, in the Isle of Man, Millwright, for an invention for—"Improvements in the method of and apparatus for treating potatoes in order to prepare them for food." <i>Provisional protection only.</i>
HICKISSON. 10th November 1868.	3415. JAMES HICKISSON, of Southgate Road, Hackney, in the County of Middlesex, Marking Ink Manufacturer, for an invention for—"Improvements in the manufacture of pencils for writing or marking on linen and other textile fabrics, and on other surfaces." <i>Letters Patent sealed.</i>
ABBOTT. 10th November 1868.	3416. OTHO GILES ABBOTT, of Harrogate, in the County of York, Gentleman, for an invention for—"An improved apparatus for the distribution of sewage water and other fluids." <i>Letters Patent sealed.</i>
RIDDLE. 10th November 1868.	3417. WILLIAM RIDDLE, of Larkhall Lane, in the County of Surrey, for an invention for—"Improvements in hooping bales or banding them with iron, and in apparatus connected therewith, part of which invention is applicable to other purposes." <i>Letters Patent sealed.</i>
CRAMPTON. 10th November 1868.	3418. THOMAS RUSSELL CRAMPTON, of Great George Street, Westminster, for an invention for—"Improvements applicable to furnaces for burning combustible liquids, either alone or in combination with other fuel." <i>Letters Patent sealed.</i>
BESSEMER. 10th November 1868.	3419. HENRY BESSEMER, of Queen Street Place, Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of cast steel and homogeneous malleable iron, and in the fusion or melting of different kinds or qualities of iron and steel and their alloys, and also in the construction and mode of working the furnaces and apparatus employed for such purposes." <i>Letters Patent sealed.</i>
VAUGHAN. WATTEEU. 11th November 1868.	3420. THOMAS VAUGHAN, and EMILE WATTEEU, both of Vulcan Works, Middlesborough-on-Tees, in the County of York, for an invention for—"Improvements in screw bolts and in the means for securing the nuts thereon." <i>Letters Patent sealed.</i>
DIXON. DIXON. 11th November 1868.	3421. EDWARD DIXON, and FREDERICK DIXON, both of 39, Clipstone Street, St. Marylebone, in the County of Middlesex, Mechanics, for an invention for—"The better, more securely and quickly packing bottles of every description, such invention is adaptable to boxes, cases and refrigerators." <i>Provisional protection only.</i>
HALLIDAY. 11th November 1868.	3422. RICHARD HALLIDAY, of Worsley, in the County of Lancaster, Colliery Manager, for an invention for—"Certain improvements in apparatus for oiling the axles of wagons used in collieries and for other purposes." <i>Letters Patent sealed.</i>
MADGE. 11th November 1868.	3423. EDWARD MADGE, of Swansea, in the County of Glamorgan, Gentleman, for an invention for—"Improvements in the mode of and apparatus for manufacturing tin,terne and other coated plates." <i>Provisional protection only.</i>
THOMSON. 11th November 1868.	3424. WILLIAM SPARKS THOMSON, of Cheapside, in the City of London, Manufacturer, for an invention for—"Improvements in the manufacture of corsets, jackets, mantles and other like garments." <i>Letters Patent sealed.</i>
DAVIES. 11th November 1868.	3425. MORGAN HENRY DAVIES, of Prince Alfred's Road, Wavertree, Liverpool, for an invention for—"Improvements in the construction of fences where strained wire or other strained material is employed, part of which improvements is also applicable to the gearing of cranes, windlasses and other winding barrels, and to other gearing." <i>Letters Patent sealed.</i>

- WILSON.
WILSON.
11th November 1868. 3426. GEORGE WILSON, senr., and JOHN WILSON, junr., of Stafford Street, Hanley, in the County of Stafford, Potters, for an invention for—"Improvements in kilns for burning bricks, cement, pottery and earthenware and other articles or substances, parts of which improvements are applicable to furnaces generally."
Letters Patent sealed.
- HOLMES.
11th November 1868. 3427. FREDERICK HOLMES, of Marks Gate, near Romford, in the County of Essex, Gentleman, for an invention for—"Improvements in the manufacture of smoking pipes."
Letters Patent sealed; no specification filed.
- PIERCY.
11th November 1868. 3428. GEORGE PIERCY, of Halifax, in the County of York, Coach Builder, for an invention for—"A new or improved safety stay for the shafts of carriages."
Provisional protection only.
- LEWTHWAITE.
11th November 1868. 3429. JOHN LEWTHWAITE, of the Town of Bury, in the County of Lancashire, for an invention for—"Improvements in machinery for the shaping of wood and similar materials."
Provisional protection only.
- CLARK.
11th November 1868. 3430. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in cylinder printing machines."—*A communication to him from abroad by Jules Derriey, Machinist, of 13, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- CHAPLIN.
12th November 1868. 3431. CHARLES JOHN CHAPLIN, of Bucklersbury, in the City of London, for an invention for—"An improved composition for cattle food."—*A communication to him from abroad by Edward Chaplin and Edward Payne, both of the City of Montreal, in the Province of Quebec, in the Dominion of Canada.*
Provisional protection only.
- HOLT.
HOLT.
12th November 1868. 3432. SAMUEL HOLT, and GREENWOOD HOLT, of Bacup, in the County of Lancaster, Picker Manufacturers, for an invention for—"Improvements in the manufacture of pickers."
Provisional protection only.
- HENKEL.
12th November 1868. 3433. HENRY HENKEL, of Upper Thames Street, in the City of London, for an invention for—"Improvements in breech-loading fire-arms, and in cartridges to be used therewith and with other descriptions of breech-loading fire-arms."—*A communication to him from abroad by Gustav Bloem, of Dusseldorf, in the Kingdom of Prussia, and Ernst Scheidt, of New York, in the United States of America.*
Provisional protection only.
- HELY.
12th November 1868. 3434. ALFRED AUGUSTUS HELY, of Stratford, in the County of Essex, for an invention for—"Improvements in umbrellas, sunshades and parasols."
Provisional protection only.
- COLLINGWOOD.
HARDMAN.
12th November 1868. 3435. THOMAS BUTTERWORTH COLLINGWOOD, of Rochdale, in the County of Lancaster, Machine Agent, and WILLIAM HARDMAN, of Farnworth, near Bolton, in the same County, Spindle and Flyer Manufacturer, for an invention for—"Improvements in machinery for the manufacture of spindles and flyers, part of which machinery is applicable for cutting screw threads for other purposes."
Letters Patent sealed.
- LIVSEY.
12th November 1868. 3436. PETER JOEL LIVSEY, of the City of Manchester, in the County of Lancaster, Consulting Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Thomas Antony Macaulay, of Northampton, in the County of Hampshire, in the State of Massachusetts, United States of America.*
Letters Patent sealed.
- GRIFFITHS.
12th November 1868. 3437. DAVID GRIFFITHS, of No. 18, Chapel Street, Bradford, Yorkshire, for an invention for—"Improvements in the formation of timber bearers for roofs and other purposes."
Provisional protection only.
- GRIFFITHS.
12th November 1868. 3438. WILLIAM RICHARD GRIFFITHS, of Stapleton Road, in the County of Bristol, Horticultural Engineer, for an invention for—"Improvements in boilers or steam generators."
Provisional protection only.
- WRAY.
12th November 1868. 3439. LEONARD WRAY, of Ramsgate, in the County of Kent, Gentleman, for an invention for—"Improved apparatus for crushing and grinding quartz and other hard substances."
Provisional protection only.
- HAAS.
12th November 1868. 3440. EMIL HAAS, of 16, Mark Lane, in the City of London, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed.

DONISTHORPE. 12th November 1868.	3441. WORDSWORTH DONISTHORPE, of Trinity College, Cambridge, for an invention for—"Improvements in machinery for getting coal and minerals, part of which invention is applicable also to steam hammers and other similar reciprocating machinery." <i>Letters Patent sealed.</i>
WHITE. 12th November 1868.	3442. GEORGE PRESTON WHITE, of 12, Furnival's Inn, Civil Engineer, for an invention for—"Improvements in the construction of screw piles, posts and moorings." <i>Letters Patent sealed.</i>
KELLOW. 12th November 1868.	3443. JOSEPH KELLOW, of Tremadoc, in the County of Carnarvon, North Wales, Quarry Engineer, for an invention for—"Improvements in machinery for cutting rock, stone and minerals." <i>Letters Patent sealed.</i>
OWEN. 13th November 1868.	3444. EDWARD OWEN, of Blackheath, in the County of Kent, Manufacturer, for an invention for—"Improvements in the manufacture of cases for night lights." <i>Provisional protection only.</i>
THOMAS. 13th November 1868.	3445. WILLIAM THOMAS, of Nos. 128 and 129, Cheapside, in the City of London, for an invention for—"Improvements in the manufacture of boots and shoes." <i>Letters Patent sealed.</i>
WALKER. 13th November 1868.	3446. BERNARD PEARD WALKER, of North Road House, Wolverhampton, in the County of Stafford, Engineer, for an invention for—"Improvements in forging or shaping metals and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
DENDY. BIGGS. 13th November 1868.	3447. JOHN DENDY, of the City of Manchester, in the County of Lancaster, Silk Manufacturer, and JOHN HOWARD WORTHINGTON BIGGS, of the same place, for an invention for—"Improved arrangements of warps in sizing or dressing machines and looms, and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
DALTON. BARTON. 13th November 1868.	3448. ROBERT ARNOLD DALTON, and GEORGE SAMUEL BARTON, both of the City of Coventry, Manufacturers, for an invention for—"A new manufacture of upholstery trimmings woven of silk, worsted and cotton." <i>Letters Patent sealed.</i>
BROOMAN. 13th November 1868.	3449. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of hangings and coverings for walls and other decorative purposes."— <i>A communication to him from abroad by Jean Marie Lasché, of 23, Boulevard de Strasbourg, Paris, France.</i> <i>Letters Patent sealed.</i>
STEPHENS. 13th November 1868.	3450. JOHN STEPHENS, of 24, Rider Street, St. James', in the County of Middlesex, for an invention for—"Improvements in apparatus applicable to carriage wheels to facilitate the draft." <i>Letters Patent sealed.</i>
MARKHAM. KNIGHTON. 13th November 1868.	3451. CHARLES MARKHAM, and WILLIAM KNIGHTON, of the Staveley Coal and Iron Works, near Chesterfield, in the County of Derby, Engineers, for an invention for—"Improvements in apparatus for moulding pipes and other cylinders." <i>Letters Patent sealed.</i>
LAWSON. LAWSON. 13th November 1868.	3452. THOMAS LAWSON, of Leeds, in the County of York, Machine Maker, and ARTHUR TREDGOLD LAWSON, of Leeds, aforesaid, Machine Maker, for an invention for—"Improvements in carding-engines." <i>Provisional protection only.</i>
MARKHAM. KNIGHTON. 13th November 1868.	3453. CHARLES MARKHAM, and WILLIAM KNIGHTON, of the Staveley Coal and Iron Works, near Chesterfield, in the County of Derby, Engineers, for an invention for—"Improvements in apparatus for moulding and drying moulds for pipes and other cylinders, and in withdrawing them from their moulds." <i>Letters Patent sealed.</i>
GOLD. 13th November 1868.	3454. RICHARD ALFRED GOLD, of Birmingham, in the County of Warwick, Hinge Manufacturer, for an invention for—"Improvements in two-wheeled carriages or cabs." <i>Letters Patent sealed.</i>
BURGESS. 13th November 1868.	3455. WILLIAM BURGESS, of Hanley Castle, Upton-on-Severn, in the County of Worcester, for an invention for—"Improvements in signal apparatus for the protection of property and game." <i>Provisional protection only.</i>
DEBLON. 13th November 1868.	3456. ANTOINE JULIEN DEBLON, of Fives-les-Lille, Department of the Nord, France, Manufacturer, for an invention for—"An improved expansive condensing and rotary steam-engine." <i>Letters Patent sealed.</i>

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| <p>JONES.
13th November 1868.</p> <p>NICHOLSON.
14th November 1868.</p> <p>GREEN.
14th November 1868.</p> <p>MILLS.
14th November 1868.</p> <p>HARRISON.
14th November 1868.</p> <p>HILL.
14th November 1868.</p> <p>WORSSAM.
14th November 1868.</p> <p>BECKLEY.
HICKS.
14th November 1868.</p> <p>NEWTON.
14th November 1868.</p> <p>TURNER.
14th November 1868.</p> <p>RICHARDSON.
14th November 1868.</p> <p>HOWARD.
BOUSFIELD.
14th November 1868.</p> <p>BRADFORD.
14th November 1868.</p> <p>MACDONALD.
CALVERLEY.
14th November 1868.</p> <p>AITKEN.
14th November 1868.</p> | <p>3457. CHARLES JONES, of Ealing, in the County of Middlesex, Surveyor, for an invention for—"Improvements in the treatment of sewage." <i>Letters Patent sealed.</i></p> <p>3458. WILLIAM NEWZAM NICHOLSON, of the Trent Iron Works, Newark, in the County of Nottingham, Agricultural Engineer, for an invention for—"Improvements in hay-making machines." <i>Provisional protection only.</i></p> <p>3459. JAMES BRODBELT GREEN, of Bury, in the County of Lancaster, Oil Refiner and Merchant, for an invention for—"Improvements in size used in preparing yarn or warps to be woven." <i>Provisional protection only.</i></p> <p>3460. THOMAS MILLS, of 20, Crescent Road, Plumstead, in the County of Kent, Gentleman, for an invention for—"Improvements in steam generators." <i>Provisional protection only.</i></p> <p>3461. WILLIAM HARRISON, of Fenton, in the County of Stafford, for an invention for—"Improvements in the construction of ovens or kilns for drying and firing or burning bricks, tiles, earthenware or other similar materials, and in apparatus connected therewith." <i>Provisional protection only.</i></p> <p>3462. PEARSON HILL, of No. 47, Kensington Park Gardens, in the County of Middlesex, for an invention for—"Improvements in instruments or apparatus for preparing the strips of paper or other material employed for conveying signals in electric telegraph apparatus." <i>Letters Patent sealed.</i></p> <p>3463. GEORGE JARVIS WORSSAM, Engineer, Wenlock Road, City Road, London, in the County of Middlesex, for an invention for—"A new or improved motive-power engine." <i>Provisional protection only.</i></p> <p>3464. ROBERT BECKLEY, of Richmond, in the County of Surrey, and JAMES JOSEPH HICKS, of Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for measuring and registering the quantities of flowing liquids, which invention may be used as a rain-gauge or as a liquid meter, and for measuring the strength of liquor run off from a still or other apparatus or vessel." <i>Letters Patent sealed.</i></p> <p>3465. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in propelling vessels."—<i>A communication to him from abroad by Alfred Colburn Loud, of San Francisco, in the State of California, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>3466. ARCHIBALD TURNER, of Leicester, in the County of Leicester, Elastic Fabric Manufacturer, for an invention for—"Improvements in the manufacture of elastic fabrics." <i>Provisional protection only.</i></p> <p>3467. WILLIAM RICHARDSON, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in condenser carding-engines." <i>Letters Patent sealed.</i></p> <p>3468. JAMES HOWARD, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, Engineer, both of Bedford, in the County of Bedford, for an invention for—"Improvements in the construction of tubular steam-boilers." <i>Letters Patent sealed.</i></p> <p>3469. CHARLES KEMPTON BRADFORD, of Lynnfield, in the County of Essex and State of Massachusetts, United States of America, for an invention for—"Improvements in velocipedes." <i>Complete specification; Letters Patent sealed.</i></p> <p>3470. JOHN CAMERON MACDONALD, of Waddon, near Croydon, in the County of Surrey, and JOSEPH CALVERLEY, of the Albany Road, Camberwell, in the same County, for an invention for—"Improvements in the manufacture of stereotype printing surfaces, and in machinery for printing and receiving sheets of paper as they come from the printing machine, and also for cutting into sheets rolls of paper." <i>Letters Patent sealed.</i></p> <p>3471. HENRY AITKEN, of Falkirk, in the County of Stirling, North Britain, for an invention for—"Improvements in treating iron ores or iron stones." <i>Letters Patent sealed.</i></p> |
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JOHNSON.
14th November 1868.

3472. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in railway wheels."—*A communication to him from abroad by George Granville Lobdell, of Wilmington, in the County of Newcastle and State of Delaware, United States of America.*

Letters Patent sealed.

BERNEY.
16th November 1868.

3473. THOMAS BERNEY, of Bracon Hall, in the County of Norfolk, Clerk, for an invention for—"Improvements in the mounting and working of ordnance and defensive armour, and in the construction, forms and means of applying defensive armour, and in the forms and in the use of some parts thereof, and also in the construction and use of apparatus for effecting the above purposes for the defence of ships and other vessels, forts, batteries and other fortifications, and of ordnance in them and elsewhere where required, parts of which improvements are also applicable to other purposes."

Provisional protection only.

BOWLER.
16th November 1868.

3474. JOHN COBB BOWLER, of Hale, near Bowden, in the County of Chester, Gentleman, for an invention for—"Improvements in the construction of castors."

Provisional protection only.

BONNEVILLE.
16th November 1868.

3475. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in the shape and casting of missiles, and in the apparatus connected therewith."—*A communication from the Marquis Ernest de Fornari, a person resident at Genoa, in the Kingdom of Italy, Colonel of Artillery in the Italian Army.*

Complete specification; Letters Patent sealed.

SMITH.
16th November 1868.

3476. JOHN SMITH, of Cheetham, in the City of Manchester, Bleacher, Dyer and Finisher, for an invention for—"Improvements in machinery or apparatus for stretching and finishing woven fabrics."

Provisional protection only.

CARTER.
16th November 1868.

3477. HENRY CARTER, of Manchester, in the County of Lancaster, for an invention for—"An improved apparatus to be employed for exhibition purposes in connection with gas-burners."

Provisional protection only.

MARTIN.
16th November 1868.

3478. THOMAS MARTIN, of the Royal Barracks, in the City and County of Dublin, Ireland, Lieutenant Colonel, commanding Second Battalion Fourth The King's Own Royal Regiment, for an invention for—"Improvements in the means for supplying ammunition and other objects to troops under action, and in cars or vehicles employed for that purpose, which are also applicable to other purposes, also a mode of packing such ammunition."

Provisional protection only.

RAVEL.
16th November 1868.

3479. PIERRE JOSEPH RAVEL, of Paris, in the Empire of France, Civil Engineer, for an invention for—"An improved steam generator."

Letters Patent sealed.

MATHESON.
16th November 1868.

3480. JOHN MATHESON, junior, of the firm of William Stirling and Sons, Turkey Red Dyers, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in dyeing and washing yarns and in apparatus therefor."

Provisional protection only.

PRIEST.
PRIEST.
16th November 1868.

3481. EDWARD PRIEST, and ALLEN PRIEST, of Victoria Mills, Huddersfield, in the County of York, Angola Yarn Spinners, for an invention for—"Improvements in carding-engines technically known as 'scribblers' or 'breakers.'"

Provisional protection only.

HOGG.
16th November 1868.

3482. EDWARD HOGG, of Gateshead, in the County of Durham, Engineer, for an invention for—"Improvements in machines for straightening and planishing rolled iron."

Letters Patent sealed.

HARE.
16th November 1868.

3483. JAMES HARE, of Handsworth, in the County of Stafford, Machinist, for an invention for—"Improvements in the manufacture of apparatus for expanding tables."

Letters Patent sealed.

McNIEL.
WHEATON.
16th November 1868.

3484. ANDREW McNIEL, of Tiverton, in the County of Devon, Engineer, and WILLIAM WHEATON, of Exeter, in the same County, Merchant, for an invention for—"An improved process for the manufacture of salts of ammonia from ammoniacal gas liquor."

Letters Patent sealed.

BONIWELL.
16th November 1868.

3485. RUFUS MARTIN BONIWELL, of Richmond, in the County of Surrey, Auctioneer and House Agent, for an invention for—"Certain improvements in the construction of river boats, and in the machinery attached to the same for propelling them by manual power."

Complete specification; Letters Patent sealed.

- LOW.**
THOMAS.
16th November 1868. **3486.** WILLIAM LOW, of Roseneath Grove Park, Wrexham, and GEORGE THOMAS, of 3, Broad Street, Cardiff, C.E., for an invention for—"Improvements in suspension bridges." *Letters Patent sealed.*
- CAMPAIN.**
16th November 1868. **3487.** SAMUEL WILLIAM CAMPAIN, of Deeping St. Nicholas, Spalding, Lincoln, for an invention for—"Improvements in apparatus to be used when tilling or working land by steam power." *Letters Patent sealed.*
- JONES.**
BIDDER.
17th November 1868. **3488.** JOHN JONES, of Chesnut House, Stratford, in the County of Essex, and SAMUEL PARKER BIDDER the younger, of Hillfield, Mitcham, in the County of Surrey, for an invention for—"Improvements in apparatus for breaking down coal, slate, stone and other minerals." *Letters Patent sealed.*
- BONNEVILLE.**
17th November 1868. **3489.** HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved instrument for prognosticating the weather."—*A communication from Jules Malacrida and Pierre Boudet, two persons resident at 18, Chaussée d'Antin, Paris, aforesaid, Merchants.* *Complete specification; Letters Patent sealed.*
- GREEN.**
17th November 1868. **3490.** ROBERT GREEN, of Ladbroke Terrace, Bayswater, in the County of Middlesex, Gentleman, for an invention for—"An improved method or means of covering telegraph wires employed under water." *Provisional protection only.*
- WILSON.**
17th November 1868. **3491.** GEORGE HENRY WILSON, of Commercial Road, in the County of Middlesex, for an invention for—"Improvements in apparatus for securing or fastening window sashes." *Provisional protection not allowed.*
- MONTRICHARD.**
17th November 1868. **3492.** GÉRARD, MARQUIS OF MONTRICHARD, Ranger, of 2, Rue Ste Appoline, Paris, Empire of France, for an invention for—"Improvements in machinery for transmitting motion and for imparting power by liquids of different densities, such as water and mercury." *Letters Patent sealed.*
- HARRIS.**
LUMLEY.
17th November 1868. **3493.** JAMES EDWARD HENRY HARRIS, of 38, Spring Street, Paddington, and THOMAS LUMLEY, of 5, Wellington Terrace, Paddington Green, both in the County of Middlesex, for an invention for—"Improvements in chimney pots." *Letters Patent sealed; no specification filed.*
- PREWITT.**
17th November 1868. **3494.** LAURA MARY PREWITT, of the City and County of Bristol, Stay Manufacturer, for an invention for—"Improvements in stays or bodices." *Provisional protection only.*
- LAKE.**
17th November 1868. **3495.** WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved bayonet which will also serve as a digging implement."—*A communication to him from abroad by Colonel Edmund Rice, of the United States Army.* *Complete specification; Letters Patent sealed.*
- MANSFIELD.**
17th November 1868. **3496.** WILLIAM MANSFIELD, of Birmingham, in the County of Warwick, Brick Manufacturer, for an invention for—"Improvements in kilns and drying chambers or sheds to be used in the manufacture of bricks and other articles made of clay." *Provisional protection only.*
- CLARK.**
17th November 1868. **3497.** ALEXANDER CLARK, of Rathbone Place, and of 53, Chancery Lane, both in the County of Middlesex, Engineer, for an invention for—"An improved machine for making ginger and other snaps from soft dough."—*A communication to him from abroad by Daniel Morey Holmes, of Williamsburgh, County of Kings, State of New York, United States of America.* *Letters Patent sealed.*
- KEHDE.**
17th November 1868. **3498.** HENRY ADOLPHE KEHDE, of Denmark Road, Kilburn, in the County of Middlesex, for an invention for—"Improvements in apparatus for working railway signals, points and switches." *Provisional protection only.*
- RICHARDSON.**
17th November 1868. **3499.** CHARLES RICHARDSON, of Gracechurch Street, in the City of London, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- PRICHARD.**
18th November 1868. **3500.** JOHN MORETON PRICHARD, of No. 18, Park Street, South Hackney, in the County of Middlesex, for an invention for—"Improvements in reservoir or fountain pen-holders." *Provisional protection only.*
- SIEMENS.**
18th November 1868. **3501.** CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in apparatus for fastening and adjusting telegraphic line wires." *Letters Patent sealed.*

NASH. 18th November 1868.	3502. WILLIAM PRESTON NASH, of No. 4, Great Saint Helen's, in the City of London, for an invention for—"New (or improved) boxes for transmitting patterns, samples and other goods through the post, and for other purposes."— <i>A communication to him from abroad by Edwin Moore, of 127, Prospect Street, Brooklyn, New York.</i> <i>Provisional protection only.</i>
BROOMAN. 18th November 1868.	3503. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved liquid or composition for oiling or greasing wool and other textile materials."— <i>A communication to him from abroad by Henry de la Thibaudiere, of Paris, France.</i> <i>Provisional protection only.</i>
WARD. IBOTSON. SOUTHBY. 18th November 1868.	3504. FREDERICK OLDFIELD WARD, of 6, Hertford Street, May Fair, London, WILLIAM IBOTSON, of 3, New Inn, London, and ANTHONY GAPPER SOUTHBY, of Bulford, in the County of Wilts, Gentlemen, for an invention for—"Improvements in operations and apparatus for drying down alkaline solutions of extractive matter obtained in preparing vegetable fibrous materials for use in the manufacture of paper, and in recovering alkali therefrom for re-employment." <i>Letters Patent sealed.</i>
WILKIN. CLARK. 18th November 1868.	3505. MARMADUKE WILKIN, of 2, Saint James' Terrace, Parish of Paddington, County of Middlesex, Gentleman, and JOHN CLARK, of 23, Chippenham Terrace, Parish of Paddington, County of Middlesex, Engineer, for an invention for—"An improved lamp for lighting mines." <i>Provisional protection only.</i>
McDOUGALL. 18th November 1868.	3506. ARTHUR McDOUGALL, of the firm of McDougall, Brothers, of the City of Manchester, Manufacturing Chemists, for an invention for—"Improvements in the manufacture of phosphatic manures and sulphate of ammonia." <i>Letters Patent sealed.</i>
DRAYSON. 18th November 1868.	3507. ALFRED WILKS DRAYSON, of Woolwich, in the County of Kent, Captain Royal Artillery and Major in the Army, for an invention for—"An improved mode of and apparatus for cooling wort and other liquids." <i>Letters Patent sealed.</i>
BELL. 18th November 1868.	3508. BENJAMIN BELL, of No. 2, Park Village East, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in the construction of iron ships for the purpose of affixing their sheathing, and in the mode or means of affixing their sheathing." <i>Provisional protection only.</i>
GROUNDWATER. 18th November 1868.	3509. WILLIAM LYELL GROUNDWATER, of Plumstead, in the County of Kent, Engineer, for an invention for—"Improvements in machinery or apparatus for inserting and extracting the percussion caps of cartridges for fire-arms, and for shaping and crimping the shells or cases of the same, more especially designed for renovating discharged cartridges." <i>Provisional protection only.</i>
BASSETT. 18th November 1868.	3510. WILLIAM THOMAS BASSETT, of Sydney, New South Wales, but at present residing at 39, Albion Street, in the County of Middlesex, for an invention for—"Improved means or apparatus for washing, cleansing and dressing sheep or other animals." <i>Letters Patent sealed.</i>
HOSKOLD. WHEELER. 19th November 1868.	3511. HENRY DAVIS HOSKOLD, of Cinderford, in the County of Gloucester, Mining Engineer, and GEORGE PRINTY WHEELER, of Abinghall, in the said County, Engineer, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Complete specification; Letters Patent sealed.</i>
FOSBERY. 19th November 1868.	3512. GEORGE VINCENT FOSBERY, V.C., a Major in Her Majesty's Bengal Staff Corps, now of Cowley, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms and cartridges for the same." <i>Provisional protection only.</i>
CRIGHTON. TAFT. 19th November 1868.	3513. SPENCER CRIGHTON, of Ashton-on-Mersey, in the County of Chester, and JOHN TAFT, of Manchester, in the County of Lancaster, Machinists, for an invention for—"Improvements in machinery or apparatus for grinding 'cards' of carding-engines, and in the method of lubricating the bearings of the said apparatus, applicable also to the lubricating of the bearings of other machinery." <i>Letters Patent sealed.</i>
THOMPSON. 19th November 1868.	3514. WILLIAM THOMPSON, of No. 85, Lower Gardiner Street, in the City of Dublin, and of Clare Hall, in the County of Dublin, Ireland, Merchant, for an invention for—"Improvements in cases or boxes for packing bottles and jars." <i>Letters Patent sealed.</i>

- ABEL.
19th November 1868. 3515. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of phosphorus and amorphous phosphorus, and in furnaces and apparatus employed for that purpose."—*A communication to him from abroad by Claude Brison, of Châlons sur Saône, in the Empire of France.*
Letters Patent sealed.
- CARRIGG.
19th November 1868. 3516. HENRY CARRIGG, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in the manufacture of tribasic phosphate of lime, and the application thereof to certain useful purposes."
Provisional protection only.
- AVERY.
FENTON.
19th November 1868. 3517. WILLIAM AVERY, of Redditch, in the County of Worcester, Needle Manufacturer, and ALBERT FENTON, of the same place, Machinist, for an invention for—"Improvements in needle-cases."
Letters Patent sealed.
- WEBB.
19th November 1868. 3518. THOMAS GEORGE WEBB, of Manchester, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in the manufacture of tumblers, goblets, wine glasses and other vessels of glass."
Provisional protection only.
- JONES.
JACKSON.
19th November 1868. 3519. DAVID JONES, and JAMES JACKSON, both of 17, Rutland Road, South Hackney, in the County of Middlesex, Inventors, for an invention for—"Improvements in apparatus for imparting heat to the feet and body, whilst travelling or otherwise."
Letters Patent sealed.
- MCGRATH.
19th November 1868. 3520. JAMES MCGRATH, of Belfast, in the County of Antrim, in Ireland, Draper, for an invention for—"Improvements in shirts."
Provisional protection only.
- GREEN.
19th November 1868. 3521. JOHN GREEN, of Lisburn, in the County of Down, Ireland, Rope and Twine Manufacturer, for an invention for—"Improvements in the manufacture of rope, cord, twine, yarn and thread, and in the machinery therefor."
Letters Patent sealed.
- BAYLEY.
20th November 1868. 3522. EDWARD HODSON BAYLEY, of 42, Newington Causeway, in the Borough of Southwark, in the County of Surrey, Wheelwright, for an invention for—"Improvements in carts or other vehicles for the removal of snow from streets, roads and other places, and in apparatus connected therewith for melting the said snow and disposing of the water thus produced, the said carts being able to be applied, if required, to other useful purposes."
Provisional protection only.
- MCGLASHAN.
20th November 1868. 3523. JAMES MCGLASHAN, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in apparatus for untwisting ropes."
Letters Patent sealed.
- HOPKINS.
20th November 1868. 3524. JOHN DOUGLAS HOPKINS, of Bedford Square, in the County of Middlesex, Architect, for an invention for—"Improvements in apparatus for opening and closing window sashes."
Letters Patent sealed.
- BURNS.
20th November 1868. 3525. DINNIS BURNS, of Edinburgh, in the County of Mid-Lothian, North Britain, for an invention for—"Improvements in chemical compounds to be employed in treating diseases of the generative organs."
Letters Patent sealed.
- GUTHRIE.
20th November 1868. 3526. ALEXANDER GUTHRIE, of Craigs, in the County of Forfar, North Britain, for an invention for—"Improvements in ploughs."
Letters Patent sealed.
- LEYKAUF.
20th November 1868. 3527. ANTON LEYKAUF, of Nuremberg, in the Kingdom of Bavaria, Chemist, for an invention for—"The manufacture of a new or improved colouring matter."
Letters Patent sealed.
- BRITTEN.
20th November 1868. 3528. BASHLEY BRITTEN, of Red Hill, in the County of Surrey, Gentleman, for an invention for—"Improvements in the construction of fishing rods."
Letters Patent sealed.
- SUTHERLAND.
20th November 1868. 3529. FREDERICK DANIEL SUTHERLAND, of King William Street, in the City of London, Umbrella Manufacturer, for an invention for—"Improved cravat holders or fasteners."
Provisional protection only.
- BROOKES.
20th November 1868. 3530. WILLIAM BROOKES, of 62, Chancery Lane, London, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of fabric in lace machinery."—*A communication to him from abroad by William Hall and George Hall, both of St. Pierre les Calais, in the Empire of France.*
Provisional protection only.

COWELL. 20th November 1868.	3531. HENRY BRIDGE COWELL, of 4, Compton Street, Ball's Pond, Islington, in the County of Middlesex, for an invention for—"Improvements in apparatus for the distribution of water or other liquids in fine particles, which apparatus is also applicable in the distribution of fine particles in powder." <i>Provisional protection only.</i>
LAKE. 20th November 1868.	3532. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and means for operating reciprocating saws."— <i>A communication to him from abroad by Charles Joseph Vowinkel, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
EGUILLON. 20th November 1868.	3533. GILBERT EGUILLON, of No. 82, Boulevard Sébastopol, Paris, in the Empire of France, for an invention for—"Improvements in the mode of suspending bells by means of three oscillating levers." <i>Letters Patent sealed.</i>
DESCAT. GUILLAUME. 20th November 1868.	3534. CONSTANTIN DESCAT, and HENRY GUILLAUME, both of No. 82, Boulevard Sébastopol, Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in the mode of fixing colours on textile fabrics composed of wool and cotton." <i>Letters Patent sealed.</i>
NEWTON. 20th November 1868.	3535. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing needles."— <i>A communication to him from abroad by Samuel Ivers, of New Bedford, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
LAKE. 21st November 1868.	3536. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of and means for preparing and baling chopped hay and straw."— <i>A communication to him from abroad by Charles Brown, of Buffalo, New York, United States of America.</i> <i>Letters Patent sealed.</i>
TONGUE. 21st November 1868.	3537. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the treatment and preparation of yarns or threads for weaving, sewing or other purposes, and in the machinery employed for this purpose."— <i>A communication to him from abroad by Régis Blanchard, Machinist, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
SCHOLES. LEACH. 21st November 1868.	3538. JOHN SCHOLES, of Huddersfield, in the County of York, Woollen Yarn Spinner, and JABEZ LEACH, of the same place, Slubber, for an invention for—"Improved means of preparing wool or other fibre for feeding same to carding-engines and condensers." <i>Provisional protection only.</i>
ABEL. 21st November 1868.	3539. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A combined tobacco pouch and cigarette former."— <i>A communication to him from abroad by Felix Mazet, of Marseilles, in the Empire of France.</i> <i>Letters Patent sealed.</i>
SMITH. MACFARLANE. 21st November 1868.	3540. CHRISTOPHER SMITH, and JOHN MACFARLANE, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in washing-machines." <i>Provisional protection only.</i>
BROOMAN. 21st November 1868.	3541. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of gas for lighting and heating, and in apparatus employed therein."— <i>A communication to him from abroad by Jules François Lafrogne, of 23, Boulevard de Strasbourg, Paris, France.</i> <i>Letters Patent sealed.</i>
SIMS. 21st November 1868.	3542. JOHN SIMS, of Trinity Street, Liverpool Road, in the County of Middlesex, Engraver, for an invention for—"Improvements in the manufacture and mode of applying ornaments to woven and felted fabrics." <i>Letters Patent sealed.</i>
HARRIS. 21st November 1868.	3543. ISAAC BLUE HARRIS, of Edinburgh, North Britain, Superintendent of the North British Rubber Company, for an invention for—"Improvements in the manufacture of driving bands." <i>Provisional protection only.</i>

- FOSTER.
21st November 1868. 3544. CHARLES JOSEPH FOSTER, of Maldon, in the County of Essex, for an invention for—"Improvements in obtaining the transverse reciprocating motions of the cutter bar in reaping, mowing and other similar agricultural machines, and improvements in wheels for agricultural machines, which last named improvements are also applicable to traction engine wheels." *Provisional protection only.*
- WEBB.
23rd November 1868. 3545. FRANCIS WILLIAM WEBB, of Bolton, in the County of Lancaster, Civil Engineer, for an invention for—"Improvements in the construction of steam hammers and in apparatus employed therein." *Letters Patent sealed.*
- INGLIS.
23rd November 1868. 3546. WILLIAM INGLIS, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines and in blowing engines." *Letters Patent sealed.*
- MANGNALL.
23rd November 1868. 3547. JOHN MANGNALL, of Glasgow, in the County of Lanark, North Britain, Commercial Traveller, for an invention for—"Improvements in chairs, cradles, couches and beds." *Provisional protection only.*
- BOWDEN.
MILLS.
MILLS.
23rd November 1868. 3548. JOSEPH BOWDEN, of Bottoms, Staley, near Mossley, in the County of Chester, Managing Carder, and MARK NIELD MILLS, and BENJAMIN RILEY MILLS, both of the City of Manchester, Mechanics, for an invention for—"Improvements in carding-engines for carding cotton and other fibrous materials." *Provisional protection only.*
- LA PENOTIÈRE.
23rd November 1868. 3549. WILLIAM LA PENOTIÈRE, of Bartholomew Road, in the County of Middlesex, Gentleman, for an invention for—"An improved construction of lock." *Letters Patent sealed.*
- HUDSON.
23rd November 1868. 3550. ISAAC HUDSON, of Stockport, in the County of Chester, Mechanic, for an invention for—"An improved condenser for steam-engines." *Provisional protection only.*
- HUGHES.
23rd November 1868. 3551. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in presses for compressing and otherwise operating upon metal, hay, bricks, cotton and various other materials."—*A communication to him from abroad by Joseph Notingham Smith and Henry Belcher Geer, both of Jersey City, United States of America.* *Letters Patent sealed.*
- HOWLISON.
23rd November 1868. 3552. JAMES HOWLISON, of the Town of Scarborough, in the North Riding of Yorkshire, Merchant, for an invention for—"New or improved movable sleeping berths for railway carriages, and arrangements and appliances connected therewith." *Letters Patent sealed.*
- CRABTREE.
STELL.
23rd November 1868. 3553. CHARLES CRABTREE, of Bingley, in the County of York, Paper Tube Maker, and JOHN STELL, of Keighley, in the said County, Engineer, for an invention for—"Improvements in apparatus employed in the manufacture of paper tubes." *Letters Patent sealed.*
- NEWNHAM.
NEWNHAM.
23rd November 1868. 3554. BENJAMIN NEWNHAM, and BENJAMIN THOMAS NEWNHAM, both of the City of Bath, Carriage Builders, for an invention for—"Improvements in the application of folding steps to carriages." *Letters Patent sealed.*
- IBBETT.
23rd November 1868. 3555. WILLIAM HENRY IBBETT, of 29A, Jewin Street, in the City of London, for an invention for—"Certain improvements in an apparatus for inducing motion in mobile substances or bodies, by the action of air and steam in combination."—*A communication to him from abroad by John Thibault Hancock, Civil Engineer, residing at Boston, Massachusetts, in the United States of America.* *Letters Patent sealed.*
- LYTTLE.
23rd November 1868. 3556. WILLIAM ALEXANDER LYTTLE, of the Grove, Hammersmith, in the County of Middlesex, Member of the Society of Engineers, for an invention for—"Improvements in electro-telegraphic apparatus." *Provisional protection only.*
- STURROCK.
23rd November 1868. 3557. JAMES STURROCK, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in metallic or other caps, and in their application to bottles or other vessels." *Provisional protection only.*
- MONTAGU.
23rd November 1868. 3558. CHARLES MONTAGU, of Cannon Street, in the City of London, Manufacturer, for an invention for—"Improvements in the manufacture of pianofortes, harmoniums and certain other musical instruments." *Provisional protection only.*

NEWTON. 23rd November 1868.	3559. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of dressing millstones."— <i>A communication to him from abroad by David Williams, of Peterborough, in the Province of Ontario, Dominion of Canada.</i> <i>Provisional protection only.</i>
NEWTON. 23rd November 1868.	3560. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of felted fabrics and wearing-apparel and other articles from the same."— <i>A communication to him from abroad by John Falconer, of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
SWANN. 23rd November 1868.	3561. JOHN RUSSELL SWANN, of 21, Leith Walk, Edinburgh, for an invention for—"Improvements in burning lime and in kilns therein employed." <i>Provisional protection only.</i>
SMITH. BAZALGETTE. 23rd November 1868.	3562. THOMAS SMITH, M.D., of Portland House, Cheltenham, and JOHN VAN NORDEN BAZALGETTE, of the Langham Hotel, Portland Place, in the County of Middlesex, for an invention for—"Improvements in deodorizing and manufacturing manures from sewage and other foul waters, and in apparatus employed therein." <i>Letters Patent sealed.</i>
DREAPER. 23rd November 1868.	3563. WILLIAM HENRY DREAPER, of Number 96, Bold Street, Liverpool, in the County of Lancaster, Pianoforte Manufacturer, for an invention for—"Improvements in the construction of pianoforte hammers." <i>Letters Patent sealed.</i>
PHILLIPS. 23rd November 1868.	3564. JAMES EDWIN PHILLIPS, of Grantham, in the County of Lincoln, for an invention for—"Improvements in sewing-machines, parts of which improvements are applicable to other purposes." <i>Provisional protection only.</i>
ABEL. 23rd November 1868.	3565. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in converting cast iron into wrought iron, and in uniting oxides, fluxes and other substances with molten cast iron."— <i>A communication to him from abroad by Thomas Schoenberger Blair, of Pittsburg, Pennsylvania, and Adolphus Guzman, of New York, both in the United States of America, and Francis Ellershausen, of Ellershause, Nova Scotia, and Augustus E. Stayner, of Nova Scotia.</i> <i>Letters Patent sealed.</i>
CULPIN. 24th November 1868.	3566. THOMAS CULPIN, of Reading, in the County of Berks, Engineer, for an invention for—"Improvements in reaping and mowing machines." <i>Provisional protection only.</i>
JOHNSON. 24th November 1868.	3567. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in safety tackle for raising and lowering heavy weights."— <i>A communication to him from abroad by Benjamin Bellair, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BEATTIE. 24th November 1868.	3568. WILLIAM GEORGE BEATTIE, of South Bank, Surbiton, in the County of Surrey, Engineer, for an invention for—"Improvements in slide valves." <i>Letters Patent sealed.</i>
SIEMENS. 24th November 1868.	3569. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the manufacture of iron and steel, and in furnaces and apparatus connected therewith, part of which improvements are also applicable to the calcining, reducing and burning of ores and granular substances generally." <i>Letters Patent sealed; no specification filed.</i>
CARTER. 24th November 1868.	3570. WILLIAM CARTER, of Masham, in the County of York, for an invention for—"Improved means or apparatus for communicating in railway trains." <i>Provisional protection only.</i>
PRIDEAUX. 24th November 1868.	3571. THOMAS PRIDEAUX, of Sheffield, in the County of York, for an invention for—"Improvements in the construction of sea walls and breakwaters." <i>Letters Patent sealed.</i>
DINWOODIE. 24th November 1868.	3572. WILLIAM DINWOODIE, of Lanrick Castle, in the County of Perth, North Britain, for an invention for—"Improvements in fences." <i>Letters Patent sealed.</i>

- NEWTON.
24th November 1868. 3573. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in atmospheric hammers for crushing ores and other purposes."—*A communication to him from abroad by Hiram Wallace Colver, of Brooklyn, in the State of New York, United States of America.* Letters Patent sealed.
- NEWTON.
24th November 1868. 3574. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved gearing for multiplying motion on a single shaft."—*A communication to him from abroad by Lemuel Scudder Fithian, of Brooklyn, State of New York, United States of America.* Letters Patent sealed.
- WETHERED.
24th November 1868. 3575. EDWIN ROBERT WETHERED, Major and Paymaster, 10th Depôt Battalion, Shorncliffe, in the County of Kent, for an invention for—"Improvements in apparatus for signalling in railway trains." Letters Patent sealed.
- SOLOMONS.
24th November 1868. 3576. BENJAMIN SOLOMONS, of the firm of S. and B. Solomons, of Albemarle Street, in the County of Middlesex, Optician, for an invention for—"Improvements in the construction and arrangement of meteorological indicators." Provisional protection only.
- HUNT.
25th November 1868. 3577. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in watches."—*A communication to him from abroad by Louis Auguste Etienne-Guyot, of Paris, in the Empire of France.* Provisional protection only.
- PARRY.
25th November 1868. 3578. JOHN PARRY, of Manchester, in the County of Lancaster, for an invention for—"Improvements in springs and in the application of the same to mattresses, couches and other upholstery purposes." Letters Patent sealed.
- LAKIN.
RHODES.
25th November 1868. 3579. ROBERT LAKIN, of the firm of Messieurs Parr, Curtis and Madeley, of the City of Manchester, Machine Makers, and WILLIAM HENRY RHODES, of Hollinwood, near the City of Manchester, Machinist, for an invention for—"Improvements in machines for spinning and doubling." Letters Patent sealed.
- WILD.
25th November 1868. 3580. WILLIAM WILD, of Oldham, in the County of Lancaster, Printer and Publisher, for an invention for—"An improved arrangement and adaptation of mechanism to the driving shafts of motive-power engines, to be employed for equalizing and regulating the speed of such shafts." Provisional protection only.
- BERNHARDT.
25th November 1868. 3581. GEORGE BERNHARDT, of the firm of John C. Milns and Co., Radcliffe, in the County of Lancaster, Spinners and Manufacturers, for an invention for—"Improvements in arrangements and apparatus for regulating and economising the supply of gas in mills and manufactories." Letters Patent sealed.
- CRAIG.
25th November 1868. 3582. THOMAS CRAIG, of No. 15, Serle's Place, Lincoln's Inn, in the County of Middlesex, for an invention for—"Improvements in the means or apparatus for hanging and supporting windows, doors, shutters and other such like moveable fittings in houses, vehicles, steamboats and other places or structures in which such fittings are used." Letters Patent sealed.
- SPENCER.
25th November 1868. 3583. PHILLIPS SPENCER, of the Town and County of the Town of Newcastle-upon-Tyne, for an invention for—"An improved mode of preparing or making up indigo blue or preparations or compounds of indigo, for the market." Provisional protection only.
- LAKE.
25th November 1868. 3584. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for manufacturing cigars."—*A communication to him from abroad by Richard Austin Bright, junior, of Providence, Rhode Island, and Lucien Bonaparte Stone, of the City and State of New York, both in the United States of America.* Letters Patent sealed.
- BROOK.
THOMPSON.
25th November 1868. 3585. SCIPIO BROOK, and CHARLES THOMPSON, of Halifax, in the County of York, Worsted Manufacturers, for an invention for—"Improvements in looms for weaving." Letters Patent sealed.
- MERRY.
25th November 1868. 3586. DANIEL SAMUEL MERRY, of Mare Street, Hackney, in the County of Middlesex, for an invention for—"Improvements in arm protectors." Provisional protection only.

CHAPMAN. 25th November 1868.	3587. WILLIAM FLOYD CHAPMAN, of Llandudno, in the County of Carnarvon, for an invention for—"Improvements in packing-boxes or packing-cases." <i>Provisional protection only.</i>
BAKER. 25th November 1868.	3588. GEORGE BAKER the younger, of the firm of George Baker and Company, of Birmingham, in the County of Warwick, Wire Workers, for an invention for—"Improvements in bird and other cages." <i>Letters Patent sealed.</i>
GEDGE. 25th November 1868.	3589. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A novel system of tug or tow boat."— <i>A communication to him from abroad by Antoine Faurie, of Ottange (Moselle), France, Gentleman.</i> <i>Provisional protection only.</i>
GEDGE. 25th November 1868.	3590. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in sewing or embroidering machines."— <i>A communication to him from abroad by Antoine Bounaz, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
SMITH. 25th November 1868.	3591. HUGH SMITH, of Westbourne Terrace Road, in the County of Middlesex, for an invention for—"Improvements in apparatus to be used in playing games." <i>Provisional protection only.</i>
VAN HECKE. 25th November 1868.	3592. ENGLEBERT THÉOPHILE VAN HECKE, of Courbevoie, near Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>
SPARTALI. 25th November 1868.	3593. NICHOLAS DEMETRIUS SPARTALI, of Liverpool, in the County of Lancaster, Steam-ship Agent, for an invention for—"Improvements in the mode of obtaining and in apparatus for applying heat to steam-boilers." <i>Letters Patent sealed.</i>
BOURNE. 25th November 1868.	3594. JOHN BOURNE, of Leith, Scotland, Civil Engineer, for an invention for—"Improvements in the production of heat and in the generation and application of motive-power derived therefrom." <i>Letters Patent sealed.</i>
MILSTED. 25th November 1868.	3595. HENRY MILSTED, of City Road, in the County of Middlesex, Book-keeper, in the employment of S. Mordan and Company, of the said place, Manufacturers, for an invention for—"An improved buckle or fastening especially applicable to belts, bands, straps, traces and thongs." <i>Provisional protection only.</i>
LAKE. 25th November 1868.	3596. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in sad-irons and in the means for heating the same."— <i>A communication to him from abroad by Sherman Minor Johnson, of Lockport, New York, Edge Tool Manufacturer, and Malcom Clark Turner and Robert Turner, both of the City and State of New York, Bankers, all in the United States of America.</i> <i>Letters Patent sealed.</i>
VOGL. 25th November 1868.	3597. DAVID VOGL, of the firm of Vogl, Brothers, of Basinghall Street, in the City of London, Merchants, for an invention for—"An improvement in the means of fastening scarfs, neckties and cravats."— <i>A communication to him from abroad by Albert Schmidt, of Rue Paul-Lelong, Paris, in the French Empire.</i> <i>Provisional protection only.</i>
ELLENBAND. 25th November 1868.	3598. ELIAS ELLENBAND, of the City of Manchester, Jeweller, for an invention for—"Improved apparatus for threading domestic needles."— <i>A communication to him from abroad by Jacob Huzarski, of Passage St. Pierre, 9, Faubourg du Temple, Paris.</i> <i>Provisional protection only.</i>
ROMAN. 26th November 1868.	3599. LOUIS ROMAN, of Paris, France, Hydraulic Engineer, for an invention for—"An hydraulic motive-power." <i>Provisional protection only.</i>
HOLT. 26th November 1868.	3600. FRANCIS HOLT, of Gorton, near the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in steam-engines." <i>Letters Patent sealed.</i>
PANTON. 26th November 1868.	3601. PATRICK PANTON, of 10, Craven Hill, Hyde Park, in the County of Middlesex, for an invention for—"Improvements in fire-arms." <i>Provisional protection only.</i>

- CLARK.
26th November 1868. 3602. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved preparation or compound for sizing and dressing threads and fabrics."—*A communication to him from abroad by Pierre Joseph Alexis Mandet, of 13, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- SINCOCK.
26th November 1868. 3603. JOHN SINCOCK, of 6, Hagley Road, Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in ratchet braces, which improvements are also applicable to ordinary ratchet levers and ratchet wheels generally." *Letters Patent sealed.*
- SWITHENBANK.
26th November 1868. 3604. HENRY SWITHENBANK, of Lawrence Lane, Cheapside, in the City of London, for an invention for—"Improvements in apparatus to be used in the manufacture and finishing of hats."—*The result partly of a communication to him from abroad by Monsr. Charles Columba, a person resident at Paris, in the Empire of France, and partly of invention by himself.*
Provisional protection only.
- SPOONER.
HUDDART.
26th November 1868. 3605. CHARLES EASTON SPOONER, of Bron y Garth, Port Madoc, in the County of Carnarvon, Engineer, and GEORGE AUGUSTUS HUDDART, of Brynkir, in the same County, Gentleman, for an invention for—"Improvements in the construction of railways." *Provisional protection only.*
- BÜSCHE.
26th November 1868. 3606. AUGUST BÜSCHE, of Schwelm, in the Kingdom of Prussia, Manufacturer, for an invention for—"Improvements in machinery for making laces and braids." *Letters Patent sealed.*
- HUGHES.
26th November 1868. 3607. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in means and apparatus for dressing, moulding and polishing stone, marble and other similar substances."—*A communication to him from abroad by François Bertrand, of Boulogne, in the Empire of France, Mechanic.*
Letters Patent sealed.
- POLLACK.
26th November 1868. 3608. HEINRICH POLLACK, of Hambourg, Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." *Letters Patent sealed.*
- LAKE.
26th November 1868. 3609. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in paddle wheels for steam ships."—*A communication to him from abroad by Charles Seymour, of La Porte, Indiana, and Dillingham Clark Washington and Fitch Raymond, both of Cleveland, Ohio, all in the United States of America.*
Letters Patent sealed.
- LAKE.
26th November 1868. 3610. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in harvesting machines."—*A communication to him from abroad by David M. Osborne, of Auburn, New York, United States of America.*
Letters Patent sealed.
- MORELAND.
CONLONG.
26th November 1868. 3611. JOHN HARRISON MORELAND, of Belfast, in the County of Antrim and Kingdom of Ireland, Flax Spinner, and JAMES CONLONG, of Blackburn, in the County of Lancaster, Mechanic, for an invention for—"Improvements in pneumatic looms." *Letters Patent sealed.*
- HARRIS.
26th November 1868. 3612. AMOS HARRIS, of Thame, in the County of Oxfordshire, Ironmonger, for an invention for—"Improvements in heating apparatus for warming churches, chapels and other public and private buildings, by hot air." *Letters Patent sealed.*
- STEVENS.
27th November 1868. 3613. EBENEZER STEVENS, of 77, White Lion Street, Islington, in the County of Middlesex, for an invention for—"Improvements in the means and instruments employed for sharpening knives, scissors and other edged tools and articles of cutlery." *Letters Patent sealed.*
- TEMPLETON.
27th November 1868. 3614. JOHN STEWART TEMPLETON, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in Brussels and Wilton carpets." *Letters Patent sealed.*
- BAMLETT.
27th November 1868. 3615. ADAM CARLISLE BAMLETT, of Thirsk, in tural Engineer, for an invention for—"Improvement mowing."

WEBB. 27th November 1868.	3616. THOMAS GEORGE WEBB, of Manchester, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in the manufacture of tumblers, goblets, wine glasses and other vessels or articles of glass, and in tools and instruments or apparatus to be used in such manufacture." <i>Letters Patent sealed.</i>
PETRIE. 27th November 1868.	3617. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for washing or scouring and dyeing wool and other fibrous materials." <i>Provisional protection only.</i>
DICKINS. DICKINS. HEYWOOD. 27th November 1868.	3618. THOMAS DICKINS, ALBERT LUNGLEY DICKINS, and HARVEY HEYWOOD, of Middleton, in the County of Lancaster, Dyers and Printers, for an invention for—"Improvements in machinery or apparatus for washing and dyeing silk and other yarns." <i>Letters Patent sealed.</i>
NEWTON. 27th November 1868.	3619. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in oil cups or lubricators for machinery."— <i>A communication to him from abroad by Henry L. Fearing, President of the New England Patent Oil Cup Company, of Boston, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
DALES. MAYGROVE. 27th November 1868.	3620. JOHN HANDSLEY DALES, and JOHN FREDERICK MAYGROVE, both of Wood Street, in the City of London, for an invention for—"Improvements in the mode of and in looms for weaving hair cloth and similar fabrics." <i>Letters Patent sealed.</i>
CLARK. 27th November 1868.	3621. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in letter or paper clips."— <i>A communication to him from abroad by Adolphe Charles Guillemot, Instrument Maker, of 13, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
TRANTER. 28th November 1868.	3622. WILLIAM TRANTER, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms and in lubricating bullets for the same." <i>Letters Patent sealed.</i>
INGHAM. BUTTERFIELD. 28th November 1868.	3623. JOHN INGHAM, of the Valley Dye Works, Bradford, Dyer and Finisher, and ILLINGWORTH BUTTERFIELD, of Bradford, aforesaid, in the County of York, Manager, for an invention for—"Improvements in machinery or apparatus for dressing warps." <i>Letters Patent sealed; no specification filed.</i>
SAMUELL. 28th November 1868.	3624. EDWARD SIMPSON SAMUELL, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"An improved manufacture of superphosphate of lime." <i>Provisional protection only.</i>
WYLLIE. LATHAM. 28th November 1868.	3625. ANDREW WYLLIE, of Liverpool, in the County of Lancaster, Engineer, and JAMES LATHAM, of the same place, Produce Broker, for an invention for—"An improved machine for cracking palm and other nuts." <i>Letters Patent sealed.</i>
KING. 28th November 1868.	3626. HENRY JAMES HOGG KING, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in gauges or apparatus for ascertaining pressure." <i>Letters Patent sealed.</i>
CORNES. 28th November 1868.	3627. JOHN CORNES, of Ilford, in the County of Essex, Engineer, for an invention for—"Improvements in machines for mowing grass, corn crops and other similar produce, for trimming the margins of lawns, also for rolling, collecting and delivering the said crops of corn and other produce into bonds or bands ready for being tied up in sheaves or laid in swarth." <i>Provisional protection only.</i>
BURTON. 28th November 1868.	3628. ALFRED NEVILLE BURTON, of 12, High Street, Reading, Berks, Boot and Shoe Maker, for an invention for—"An improved metallic eyelet." <i>Letters Patent sealed.</i>
GEDGE. 28th November 1868.	3629. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved instrument intended to facilitate the execution of perspective drawings."— <i>A communication to him from abroad by Paul Gelibert, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
GEDGE. 28th November 1868.	3630. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved plate-warming apparatus."— <i>A communication to him from abroad by Louis Hippolyte Lardit, of 39, Faubourg St. Martin, Paris, France.</i> <i>Provisional protection only.</i>

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| <p>ABEL.
28th November 1868.</p> | <p>3631. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of steel."—<i>A communication to him from abroad by Thomas Schoenberger Blair, of Pittsburg, Pennsylvania, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>SAWARD.
28th November 1868.</p> | <p>3632. JOSIAH SAWARD, of Saint Paul Street, Islington, in the County of Middlesex, for an invention for—"Improvements in the means of preserving natural flowers and leaves of trees and plants, for ornamental and useful purposes."
<i>Provisional protection only.</i></p> |
| <p>NORTON.
28th November 1868.</p> | <p>3633. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, for an invention for—"Improvements in dyeing and printing."
<i>Letters Patent sealed.</i></p> |
| <p>HEATON.
28th November 1868.</p> | <p>3634. JOHN HEATON, of Langley Mill, in the County of Derby, Engineer, for an invention for—"Improvements in the treatment of cast iron and in the apparatus employed therein."
<i>Letters Patent sealed.</i></p> |
| <p>NAYLOR.
28th November 1868.</p> | <p>3635. WILLIAM NAYLOR, of Mildmay Park, in the County of Middlesex, Engineer, for an invention for—"Improvements in railway breaks and in apparatus connected therewith, part of which improvements is applicable to the regulating the pressure of steam, air, gas or water, for various useful purposes."
<i>Letters Patent sealed.</i></p> |
| <p>BROWN.
TURNER.
28th November 1868.</p> | <p>3636. GEORGE STANLEY BROWN, of High Street, Leicester, and EDWARD TURNER, of Coventry Street, Leicester, for an invention for—"Improvements in means or apparatus for communicating between the passengers, guard and driver of a railway train, and for signalling the speed at which a train is travelling."
<i>Provisional protection only.</i></p> |
| <p>SOPER.
30th November 1868.</p> | <p>3637. WILLIAM SOPER, of No. 23, Friar Street, Reading, in the County of Berks, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms."
<i>Letters Patent sealed.</i></p> |
| <p>PFEIFFER.
30th November 1868.</p> | <p>3638. LOUIS PFEIFFER, of No. 2, Walbrook Buildings, in the City of London, Merchant, for an invention for—"An improved fastening or lock for bags and other similar articles."—<i>A communication to him from abroad by Auguste Schubeus, of Paris, France.</i>
<i>Letters Patent sealed.</i></p> |
| <p>FORBES.
30th November 1868.</p> | <p>3639. JOSEPH SAMUEL FORBES, of Stoke-upon-Trent, in the County of Stafford, Engineer, for an invention for—"Improvements in the preparation of materials used in the manufacture of pottery, earthenware and china, and in apparatus for the same."
<i>Provisional protection only.</i></p> |
| <p>HILL.
30th November 1868.</p> | <p>3640. THOMAS HILL, of the firm of Hill and Son, of Euston Road, in the County of Middlesex, Organ Builders, for an invention for—"Improvements in the construction of organs."
<i>Provisional protection only.</i></p> |
| <p>GREEN.
30th November 1868.</p> | <p>3641. RICHARD ANGELL GREEN, of 82, Strand, in the County of Middlesex, for an invention for—"A new or improved method of ornamenting articles of plate, jewellery, watch-cases, studs, buttons and other ornamental or useful objects."
<i>Provisional protection only.</i></p> |
| <p>CLARK.
30th November 1868.</p> | <p>3642. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved material for the manufacture of tiles for roofing purposes."—<i>A communication to him from abroad by Gaston Marcelin de Jean, Ironfounder, of 13, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> |
| <p>GREIG.
FERNIE.
30th November 1868.</p> | <p>3643. DAVID GREIG, Engineer, and JOHN FERNIE, Ironmaster, both of Leeds, in the County of York, for an invention for—"Improvements in casting plough heads, wheels and crank axles."
<i>Letters Patent sealed.</i></p> |
| <p>WEST.
WEST.
30th November 1868.</p> | <p>3644. NOEL WEST, and ROBERT GIBSON WEST, both of Palace Square, Upper Norwood, in the County of Surrey, for an invention for—"Improvements for the preservation from corrosion of rudder pins and gudgeons or braces, screw propeller shafts, the working parts of feathering paddle wheels, and the surfaces of iron and steel ships and other structures."
<i>Letters Patent sealed.</i></p> |

MYERS. MORRISON. 30th November 1868.	3645. JACOB MYERS, and LIPMAN LOUIS MORRISON, both of Leeds, in the County of York, Hat and Cap Manufacturers, for an invention for—"Improvements in the construction of hats or coverings for the head." <i>Provisional protection only.</i>
MACLELLAN. 30th November 1868.	3646. WALTER MACLELLAN, of the firm of P. and W. MacLellan, of the City of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in fixing the rails of railways and manufacturing hollow metallic keys for so doing, and in the modes, means and mechanism for these purposes." <i>Letters Patent sealed.</i>
REID. 30th November 1868.	3647. JOHN WYATT REID, of 40, Great Western Terrace, Paddington, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in bleaching vegetable fibre." <i>Provisional protection only.</i>
NEWTON. 30th November 1868.	3648. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machines for opening and cleaning cotton or other fibrous substances."— <i>A communication to him from abroad by Richard Kitson, of Lowell, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 30th November 1868.	3649. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in apparatus for receiving and delivering mail bags and packages on railways."— <i>A communication to him from abroad by Freeman Knowlton Sibley, of Auburndale, and Levi Clifford Wade, of Newton, Upper Falls, both in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
RANSOME. 30th November 1868.	3650. ALLEN RANSOME, of King's Road, Chelsea, in the County of Middlesex, Saw Mill Engineer, for an invention for—"An improvement in the construction of circular-saw benches." <i>Letters Patent sealed.</i>
JOHNSON. 30th November 1868.	3651. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Producing imitations of and substitutes for wood, ivory, stone and other hard substances."— <i>A communication to him from abroad by David Blake, of Albany, State of New York, in the United States of America.</i> <i>Provisional protection only.</i>
BONNEVILLE. 1st December 1868.	3652. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of mineral teeth, and in the method of fixing such mineral teeth to the dental piece."— <i>A communication from Jean Baptiste Abel Duchesne, a person resident at Rue Lafayette, in Paris, aforesaid, Surgeon.</i> <i>Letters Patent sealed.</i>
BETTS. 1st December 1868.	3653. WILLIAM BETTS, of No. 1, Wharf Road, City Road, in the County of Middlesex, Capsule Manufacturer, for an invention for—"Improvements in the manufacture of capsules for bottles, jars and similar vessels, and in apparatus employed therein." <i>Letters Patent sealed.</i>
BROOKES. 1st December 1868.	3654. WILLIAM BROOKES, of 62, Chancery Lane, London, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in means employed in the manufacture of fabric in lace machinery."— <i>A communication to him from abroad by William Hall and George Hall, both of St. Pierre lés Calais, in the Empire of France.</i> <i>Provisional protection only.</i>
SHILLCOCK. 1st December 1868.	3655. JOSEPH BRADLEY SHILLCOCK, of Bromley, in the County of Kent, Pharmaceutical Chemist, for an invention for—"Improvements in securing the contents of bottles, jars and other similar vessels." <i>Provisional protection only.</i>
DANIELL. 1st December 1868.	3656. SAMUEL ALLEN DANIELL, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in machinery or apparatus for cleaning bottles and other vessels."— <i>A communication to him from abroad by John Farmerley Dickson, of Boulogne, in the Empire of France.</i> <i>Provisional protection only.</i>
PRICE. 1st December 1868.	3657. EDWARD PRICE, of the firm of Welch, Margetson and Company, of Cheapside, in the City of London, for an invention for—"A new or improved combined shirt-front and collar." <i>Provisional protection only.</i>

- JOHNSON.
1st December 1868. 3658. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in carding-engines."—*A communication to him from abroad by Jean Alexandre Edmond Pasquier, of Paris, in the Empire of France, Spinner.* Letters Patent sealed.
- FULLER.
BARNUM.
1st December 1868. 3659. HENRY WILLIAM FULLER, and ISAAC WILLIAMS BARNUM, of the City of New York, United States of America, for an invention for—"Improvements in tuck markers for sewing-machines." Letters Patent sealed.
- GRINDROD.
1st December 1868. 3660. JONATHAN GRINDROD, of Leighton House, near Neston, in the County of Chester, Consulting Engineer, for an invention for—"Improvements in the construction of screw ships or vessels and in propellers for the same, parts of which improvements are also applicable to paddle vessels." Letters Patent sealed.
- ROSTAING.
2nd December 1868. 3661. CHARLES SYLVESTER ROSTAING, Citizen of the United States of America, but now residing at Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in electric telegraph cables." Provisional protection only.
- ELLIS.
2nd December 1868. 3662. PETER ELLIS, of No. 9, Orange Court, in Liverpool, in the County of Lancaster, Architect and Civil Engineer, for an invention for—"Improvements in letter boxes and bags for receiving letters." Letters Patent sealed.
- ELLIS.
2nd December 1868. 3663. PETER ELLIS, of No. 9, Orange Court, in Liverpool, in the County of Lancaster, Architect and Civil Engineer, for an invention for—"An improved public conveyance or omnibus, parts of which invention are applicable to other carriages." Letters Patent sealed.
- TIDMARSH.
2nd December 1868. 3664. JOHN TIDMARSH, of Twickenham, in the County of Middlesex, Watch Maker, for an invention for—"Improvements in apparatus for clipping or shearing horses and other animals." Letters Patent sealed.
- WARBURTON.
2nd December 1868. 3665. THOMAS WARBURTON the younger, of Haslingden, in the County of Lancaster, for an invention for—"Improvements in piecing cardings of cotton or wool as delivered from the carding-engine." Provisional protection only.
- HELY.
2nd December 1868. 3666. EDWARD HELY, of Lower Ormond Quay, in the City of Dublin, Envelope Manufacturer, for an invention for—"Improvements in machinery for the manufacture of envelopes." Letters Patent sealed.
- ALEXANDER.
HILL.
2nd December 1868. 3667. JOHN ALEXANDER, of Westport, Ireland, and JAMES HILL, of the City of Dublin, for an invention for—"Improvements in the means of and apparatus for signalling on railways." Letters Patent sealed.
- MAYNARD.
2nd December 1868. 3668. HENRY NATHAN MAYNARD, of the Viaduct Works, Crumlin, in the County of Monmouth, for an invention for—"Improvements in girders for bridges, viaducts, piers, jetties and buildings and other structures." Letters Patent sealed.
- LISTER.
2nd December 1868. 3669. SAMUEL CUNLIFFE LISTER, of Manningham, near Bradford, in the County of York, for an invention for—"Improvements in weaving velvets and other piled fabrics." Letters Patent sealed.
- PALLANT.
2nd December 1868. 3670. SAMUEL PALLANT, of No. 294, Regent Street, in the County of Middlesex, Ladies' and Children's Outfitter, for an invention for—"Improvements in fastenings applicable to stays, gaiters and other articles of dress." Letters Patent sealed.
- HUBBELL.
2nd December 1868. 3671. THEODORE BYRON HUBBELL, of Euston Square, in the County of Middlesex, Manufacturer, for an invention for—"An improved reflector for oil and other lamps and burners.—*A communication to him from abroad by Augustus Hubbell, of the City and State of New York, United States of America.* Provisional protection only.
- HOOKE.
2nd December 1868. 3672. PETER HOOKER, of Old Street Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in brick-making machinery." Letters Patent sealed.
- CLARK.
2nd December 1868. 3673. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in paving blocks or slabs of wood, and in the means of fixing the same."—*A communication to him from abroad by Alexandre Trenaunay, Contractor, of 13, Boulevard St. Martin, Paris.* Letters Patent sealed.

TAUNTON. 2nd December 1868.	3674. EDMUND WILLIAM PYLE TAUNTON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in or additions to chairs."— <i>A communication to him from abroad by Thomas Sampson, of Providence, State of Rhode Island, United States of America.</i> <i>Provisional protection only.</i>
DORRITY. 3rd December 1868.	3675. DANIEL DORRITY, of Pont-Audemer, in the Empire of France, but at present residing at 3, Ile Lacroix, in the City of Rouen, in the same Empire, Mechanical Engineer, for an invention for—"Improvements in mechanical means for locking printers' forms, as well as for mounting or fitting pieces on the beds or tables of planing machines and for other cognate purposes." <i>Letters Patent sealed.</i>
MARECHAL. 3rd December 1868.	3676. LOUIS JULES MARECHAL, of 43, Bishopsgate Street With', E.C., London, for an invention for—"Improvements in locks." <i>Letters Patent sealed.</i>
GRYLLS. 3rd December 1868.	3677. HENRY WILLIAM GRYLLS, of Great Saint Helen's, in the City of London, Civil Engineer, for an invention for—"Improved apparatus for obtaining and applying motive-power." <i>Provisional protection only.</i>
PUGH. FIELD. 3rd December 1868.	3678. WILLIAM PUGH, and JAMES FIELD, both of Bow Street, in the County of Middlesex, Optical Glass Workers, for an invention for—"Improvements in the construction of cataract and other lenses for defective visions." <i>Provisional protection only.</i>
GEDGE. 3rd December 1868.	3679. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of ploughs."— <i>A communication to him from abroad by Jean Pierre Lattes and Raymond François Fauré, both of 37, Boulevard Bonne Nouvelle, Paris, France.</i> <i>Provisional protection only.</i>
BANKS. 3rd December 1868.	3680. JOHN HENRY BANKS, of Brook Street, Knutsford, in the County of Cheshire, Architect and Surveyor, for an invention for—"An improved method of constructing buildings, such as mission churches, chapels, schools, or any other buildings where economy of cost is an object, and for an improved method of heating and ventilating the same." <i>Provisional protection only.</i>
LITTLER. BANKS. 3rd December 1868.	3681. JOHN LITTLER, and JOHN HENRY BANKS, both of Knutsford, in the County of Cheshire, for an invention for—"An improved method of constructing furnaces, whereby more perfect combustion takes place and the smoke from the fuel is more thoroughly consumed." <i>Letters Patent sealed.</i>
CHADBURN. 3rd December 1868.	3682. CHARLES HENRY CHADBURN, of Liverpool, in the County of Lancaster, Optician, for an invention for—"An improved instrument for sketching and drawing." <i>Letters Patent sealed.</i>
HORNSBY. PHILLIPS. 3rd December 1868.	3683. RICHARD HORNSBY, and JAMES EDWIN PHILLIPS, both of Spittlegate Iron Works, Grantham, in the County of Lincoln, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
KINSEY. 3rd December 1868.	3684. HENRY KINSEY, of the Robin Hood Works, Nottingham, Engineer, for an invention for—"Improvements in steam and other boilers." <i>Letters Patent sealed.</i>
SIMPSON. HUTTON. 3rd December 1868.	3685. WILLIAM SIMPSON, and JOHN HUTTON, both of the Town of Northampton, in the County of Northampton, Engineers, for an invention for—"Improvements in lubricating apparatus and the application of the same to machinery." <i>Provisional protection only.</i>
LAKE. 4th December 1868.	3686. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in knitting machines."— <i>A communication to him from abroad by John Gilbert Avery, of the City and State of New York, and Samuel V. Essick, of Worcester, Massachusetts, both in the United States of America.</i> <i>Letters Patent sealed.</i>
LAKE. 4th December 1868.	3687. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved machine for cutting edible roots."— <i>A communication to him from abroad by Solomon Van Ranslear Hakes, William Barker McCrury, and William Samuel Patrick, all of Flint, Michigan, United States of America.</i> <i>Letters Patent sealed.</i>

- ROBINSON.**
4th December 1868. **3688.** HENRY ROBINSON, of Bridge Mills, Lewisham, in the County of Kent, for an invention for—"Improvements in dressing millstones and in apparatus therefor."
Letters Patent sealed.
- HIRSCH.**
4th December 1868. **3689.** SIMON HIRSCH, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in dyeing yarns in hanks or skeins and in the mechanism or apparatus employed therefor."—*A communication to him from abroad by Longin Gantert, of Alexandroff, in the Empire of Russia.*
Letters Patent sealed.
- CHARLES.**
4th December 1868. **3690.** ROBERT CHARLES, of Birmingham, in the County of Warwick, Haberdasher, for an invention for—"Certain improvements in thimbles."
Provisional protection only.
- JOHNSON.**
4th December 1868. **3691.** JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"A new mode of and apparatus for treating diseases."—*A communication to him from abroad by Maurice Howell Utley, of the City of Montreal, in the Province of Quebec, Doctor of Medicine.*
Letters Patent sealed.
- ROLLINS.**
4th December 1868. **3692.** JOHN GUSTAVUS ROLLINS, of Old Swan Wharf, Upper Thames Street, in the City of London, for an invention for—"Improvements in nozzles for oil cans and other vessels."—*A communication to him from abroad by Henry Page, of Boston, in the State of Massachusetts, United States of America.*
Letters Patent sealed.
- AINSLIE.**
4th December 1868. **3693.** WILLIAM GEORGE AINSIE, of 3, East India Avenue, Leadenhall Street, in the City of London, for an invention for—"Improvements in means for drying peat, peat compounds and other materials."
Letters Patent sealed.
- BOULTON.**
IMRAY.
4th December 1868. **3694.** MATTHEW PIERS WATT BOULTON, of Tew Park, in the County of Oxford, Gentleman, and JOHN IMRAY, of Westminster Bridge Road, in the County of Surrey, Engineer, for an invention for—"Improvements in rotary propellers, pumps and fans."
Letters Patent sealed.
- MARSDEN.**
4th December 1868. **3695.** HENRY LOUIS DELABENE MARSDEN, of Louth, in the County of Lincoln, Surveyor and Photographer, for an invention for—"Improvements in machinery or apparatus for toning, fixing and washing photographic prints, which improvements are also applicable to rocking machinery or apparatus for other purposes."
Provisional protection only.
- CAPELLE.**
4th December 1868. **3696.** JOSSE SÉRAPHIN CAPELLE, of 37, Boulevard Bonne-Nouvelle, Paris, in the Empire of France, Modeling Joiner, for an invention for—"Improvements in calendars and in their application to desks, secretaries and other articles of furniture."
Letters Patent sealed.
- BEECH.**
4th December 1868. **3697.** FREDERICK BEECH, of Salford, in the County of Lancaster, Estate Agent, for an invention for—"Improvements in gullies or stench traps and in mud boxes connected therewith."
Letters Patent sealed.
- STERRY.**
LAMBE.
FORDRED.
4th December 1868. **3698.** ARTHUR CHARLES STERRY, and FREDERICK LAMBE, both of Rotherhithe New Road, in the County of Surrey, Paraffine Refiners, and JOHN FORDRED, of Blackheath, in the County of Kent, Chemist, for an invention for—"Improvements in the mode of treating and purifying paraffine and in apparatus to be used therein."
Letters Patent sealed.
- SWANN.**
4th December 1868. **3699.** JOHN RUSSELL SWANN, of 21, Leith Walk, Edinburgh, for an invention for—"Improvements in kilns for calcining limestone."
Letters Patent sealed.
- FRANCILLON.**
5th December 1868. **3700.** ERNEST FRANCILLON, of Puteaux, near Paris, in the Department of the Seine, in the Empire of France, Manufacturer and Dyer, for an invention for—"Improvements in dyeing fur and hair."
Letters Patent sealed.
- FAWCETT.**
5th December 1868. **3701.** JOSEPH ADDEY FAWCETT, of Wakefield, in the County of York, for an invention for—"Improvements in means or apparatus for supplying steam-boiler and other furnaces with fuel, and for promoting and regulating the combustion thereof."
Provisional protection only.
- HUNT.**
5th December 1868. **3702.** BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in wheels for railway carriages and other vehicles of like description."—*A communication to him from abroad by Bernhard Edlich, of Paris, in the Empire of France.* *Provisional protection only.*

THOMSON. 5th December 1868.	3703. DAVID THOMSON, of Johnstone, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in sawing machinery." <i>Letters Patent sealed.</i>
GIRDWOOD. 5th December 1868.	3704. ROBERT GIRDWOOD, of Edinburgh, in the County of Midlothian, North Britain, Woolbroker, for an invention for—"Improvements in apparatus for crushing or reducing ores and similar materials, and for compounding different ingredients, such as the oleaginous and resinous matters used in making sheep smears." <i>Letters Patent sealed.</i>
DENTON. 5th December 1868.	3705. HENRY DENTON, of Wolverhampton, in the County of Stafford, Agricultural Implement Maker, for an invention for—"Improvements in chain and other harrows and apparatus or machinery connected therewith." <i>Letters Patent sealed.</i>
DUTTON. 5th December 1868.	3706. EDWARD KENWORTHY DUTTON, of the Patent Office, 3, Smithy Door, Manchester, in the County of Lancaster, Consulting Engineer, for an invention for—"Improvements in 'gig mills' employed in the finishing of woven fabrics."— <i>A communication to him from abroad by Adolph Moser, of the firm of "A. Moser and Company," of Aix-la-Chapelle, in the Kingdom of Prussia, Engineers.</i> <i>Letters Patent sealed.</i>
NEWTON. 5th December 1868.	3707. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for treating flour."— <i>A communication to him from abroad by John Lange, of Neumühlen, near Kiel, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
MASSON. 5th December 1868.	3708. ANDREW MASSON, of Edinburgh, in the County of Midlothian, North Britain, Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
ABRAHAM. 5th December 1868.	3709. JOHN ABRAHAM, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in central-fire cartridges for breech-loading fire-arms and ordnance." <i>Provisional protection only.</i>
HOLMES. 5th December 1868.	3710. JOHN HOLMES, of Bradford, in the County of York, Brick Manufacturer, for an invention for—"Improvements in the construction of kilns for the purpose of burning articles made from plastic materials." <i>Letters Patent sealed.</i>
FOWLER. GREIG. BURTON. 5th December 1868.	3711. BARNARD FOWLER, DAVID GREIG, and ROBERT BURTON, of the Steam Plough Works, Leeds, in the County of York, for an invention for—"Improvements in the construction of steam cultivating machinery." <i>Letters Patent sealed.</i>
PATERSON. 5th December 1868.	3712. DAVID HILLOCKS PATERSON, of Sprucefield, in the County of Down, in Ireland, Bleacher, for an invention for—"Improvements in the process of bleaching, dyeing or scouring textile materials and fabrics, and in the machinery therefor." <i>Letters Patent sealed.</i>
LAKE. 5th December 1868.	3713. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus for removing the stem of metal formed upon printers' type in the process of casting."— <i>A communication to him from abroad by David Bruce, of Brooklyn, New York, United States of America, Type Founder.</i> <i>Provisional protection NOT allowed.</i>
CLARK. 5th December 1868.	3714. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved chemical compound for the disinfection and treatment of sewage and other liquid and solid matters."— <i>A communication to him from abroad by Lucien Henri Blanchard, Merchant, and Théodore Chateau, Chemist, both of 13, Boulevard St. Martin, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BÉRARD. 7th December 1868.	3715. ARISTIDE BALTHAZARD BÉRARD, of Avenue Montaigne, Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in the processes and apparatus for manufacturing, collecting and purifying gas for heating and other purposes." <i>Complete specification; Letters Patent sealed.</i>
WOOLF. 7th December 1868.	3716. ISRAEL EDWARD WOOLF, of New Bond St., London, in the County of Middlesex, Merchant, for an invention for—"Improvements in apparatus for cooling milk and other fluids."— <i>A communication to him from abroad by Charles Gustavus Mueller, of Hanover, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>

- CHISWELL.
7th December 1868. 3717. WILLIAM CHISWELL, of No. 2, Halton Road, Cross St., Islington, in the County of Middlesex, for an invention for—"Improved means for the purpose of preventing horses slipping in snowy, frosty or other slippery weather, and for rendering it unnecessary to remove their shoes for roughing." *Provisional protection only.*
- HOMFRAY.
7th December 1868. 3718. ALFRED HOMFRAY, of Witley Lodge, Halesowen, in the County of Worcester, Gentleman, for an invention for—"Improvements in the manufacture of coke and in machinery or apparatus to be employed in the said manufacture." *Letters Patent sealed.*
- RIDLEY.
7th December 1868. 3719. JOHN RIDLEY, of Belsize Park, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for obtaining motive-power." *Letters Patent sealed.*
- KRUPP.
7th December 1868. 3720. ALFRED KRUPP, of Essen, in the Kingdom of Prussia, Cast Steel Manufacturer, for an invention for—"Certain improvements in breech-loading ordnance." *Letters Patent sealed.*
- SIMONS.
7th December 1868. 3721. EDWARD SIMONS, of Sheffield, in the County of York, for an invention for—"Improvements in the construction of shoes for horses and other animals." *Provisional protection only.*
- LAKE.
7th December 1868. 3722. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in rooms and apparatus for photographing by artificial light."—*A communication to him from abroad by George Kendall Proctor, of Salem, Massachusetts, United States of America.* *Letters Patent sealed.*
- LAKE.
7th December 1868. 3723. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in railway carriage wheels, parts of which improvements are applicable to locomotive wheels."—*A communication to him from abroad by David Philip Nickerson and Worthy Stevens Streator, both of Cleveland, Ohio, United States of America.* *Complete specification; Letters Patent sealed.*
- CRETIN.
WATSON.
7th December 1868. 3724. CLAUDE FRANÇOIS CONSTANT CRETIN, and JAMES WATSON, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in lamps for diving operations, and a new method of drawing off foul air from and supplying fresh air to divers and lamps used in diving operations, the first named improvements being also applicable to lamps used in mines or other places where poisonous, explosive and dangerous gases are generated." *Provisional protection only.*
- KENNAN.
7th December 1868. 3725. THOMAS KENNAN, of the City of Dublin, Engineer, for an invention for—"Improvements in fences and in latches or fastenings for the gates of the same, which are applicable also as fastenings for other purposes." *Letters Patent sealed.*
- CLARK.
7th December 1868. 3726. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in winders for winding silk, cotton, jute and other threads, twist and fine wire, and in the mode of arranging such articles for the purpose of retailing the same."—*A communication to him from abroad by François Ernest Vaquez-Fessart, Merchant, of 13, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- FARRAR.
8th December 1868. 3727. CHARLES FARRAR, of Bow, in the County of Middlesex, Chemist, for an invention for—"Improvements in machinery or apparatus for reducing wood to fibres, filaments, shavings or fragments to be employed in the manufacture of paper bonnets, matches and scale boards, and for other useful purposes." *Letters Patent sealed.*
- MACKIE.
8th December 1868. 3728. ALEXANDER MACKIE, of Warrington, in the County of Lancaster, Newspaper Proprietor, for an invention for—"Improvements in type composing and distributing machinery or apparatus." *Letters Patent sealed.*
- BONNEVILLE.
8th December 1868. 3729. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in spinning looms."—*A communication from William Gilpin, a person resident at Vazemmes, in the Empire of France, aforesaid, Mechanist.* *Provisional protection only.*
- THICHTENER.
8th December 1868. 3730. WILLIAM JOSHEPHAT THICHTENER, of Essex Road, Islington, in the County of Middlesex, Chronometer and Watch Manufacturer, for an invention for—"Improvements in chronometer and other lever watches." *Letters Patent sealed.*

FARWIG. HAYNES. 8th December 1868.	3731. JULIUS AUGUSTUS FARWIG, of Selhurst, South Norwood, in the County of Surrey, Merchant, and CHARLES HAYNES, of No. 7, Bermondsey New Road, in the County of Surrey, Tin-plate Worker, for an invention for—"Improvements in the manufacture of sheet-metal casks." <i>Letters Patent sealed.</i>
FITTER. 8th December 1868.	3732. JOSEPH FITTER, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in the manufacture of the nuts or screw boxes of table expanders." <i>Letters Patent sealed.</i>
REYNOLDS. 8th December 1868.	3733. OSBORNE REYNOLDS, of Manchester, in the County of Lancaster, for an invention for—"Improved means of signalling or communicating between the passengers, guard and engine driver of railway trains in motion." <i>Provisional protection only.</i>
RODEN. 8th December 1868.	3734. RICHARD BROWN RODEN, of Usk, in the County of Monmouth, Gentleman, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Letters Patent sealed.</i>
SPEIR. 8th December 1868.	3735. THOMAS SPEIR, of Blackstone, in the County of Renfrew, North Britain, for an invention for—"Improvements in machinery or apparatus for cultivating land." <i>Letters Patent sealed.</i>
SPEIR. 8th December 1868.	3736. THOMAS SPEIR, of Blackstone, in the County of Renfrew, North Britain, for an invention for—"Improvements in machinery or apparatus for ploughing and cultivating land." <i>Letters Patent sealed.</i>
LANCASTER. 8th December 1868.	3737. THOMAS LANCASTER, of Bootle, near Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in economizing the consumption of fuel in furnaces and for inducing more perfect combustion." <i>Letters Patent sealed.</i>
MOSS. MOSS. 8th December 1868.	3738. FRANK WILLIAM MOSS, and GEORGE MOSS, both of the Town and County of Leicester, for an invention for—"Improvements in the mode of and apparatus for preventing collisions on railways." <i>Provisional protection only.</i>
COOPER. COTTERILL. 8th December 1868.	3739. GEORGE COOPER, of Deptford, in the County of Kent, Manager, and JOHN COTTERILL, of Shoreditch, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in apparatus for the manufacture of crucibles and other hollow articles from plastic materials." <i>Letters Patent sealed.</i>
COTTON. LYSTER. 8th December 1868.	3740. CHARLES PHILIP COTTON, and JOHN LIONEL LYSTER, both of the City of Dublin, for an invention for—"Improvements in kilns for calcining limestone, ores and minerals." <i>Provisional protection only.</i>
POTTLE. 8th December 1868.	3741. WILLIAM HENRY POTTLE, of Gray's Inn Road, in the County of Middlesex, Fishing Rod Manufacturer, for an invention for—"Improvements in umbrellas, parasols and sunshades." <i>Letters Patent sealed.</i>
KIRK. KIRK. 8th December 1868.	3742. JOHN KIRK, and JOHN KIRK the younger, both of Wellington Street, Park Side, in the Parish of New Lenton, in the County of Nottingham, Lace Manufacturers, for an invention for—"Improvements in the manufacture of weavings made on bobbin net or twist lace machines." <i>Letters Patent sealed.</i>
BALL. 8th December 1868.	3743. JOHN BALL the younger, of the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in machinery or apparatus employed in the cutting off the superfluous threads or fibres from spots, sprigs or other devices made on lace or other fabrics." <i>Provisional protection only.</i>
WHITE. 8th December 1868.	3744. GEORGE PRESTON WHITE, of 12, Furnival's Inn, Civil Engineer, for an invention for—"Improvements in constructing the roadways, platforms or floors of bridges and other structures." <i>Letters Patent sealed.</i>
BAINES. 8th December 1868.	3745. WILLIAM BAINES, of the Railway Plant Works, Soho, Smethwick, in the County of Stafford, Engineer, for an invention for—"Improvements in apparatus for signalling and working the switches on railways, and for signalling in railway trains." <i>Letters Patent sealed.</i>
ANDERSON. 9th December 1868.	3746. SAMUEL SMITH ANDERSON, of Southgate Street, Bishop Auckland, in the County of Durham, Brick and Tile Manufacturer, for an invention for—"Improvements in apparatus for the manufacture of bricks, tiles and other such articles from plastic materials." <i>Letters Patent sealed.</i>

- PARLOUR.**
9th December 1868. **3747. JOSEPH THOMAS PARLOUR**, of Brooklyn, New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in adjustable blocks for supporting the keel and bilge of vessels in dock."
Letters Patent sealed.
- MEADOWS.**
9th December 1868. **3748. FRANCIS MEADOWS**, of Red Lion Court, in the City of London, for an invention for—"Improvements in machines for cutting strips of metal or other material, particularly applicable to cutting 'brass rule' for use in printing."
Letters Patent sealed.
- NEEDHAM.**
9th December 1868. **3749. RICHARD NEEDHAM**, of Dukinfield, in the County of Chester, Engineer, for an invention for—"Improvements in fuel economizers and in apparatus connected therewith."
Letters Patent sealed.
- BOLTON.**
9th December 1868. **3750. JAMES BOLTON**, Managing Director of the Avonside Sugar Refinery Company (Limited), Bristol, for an invention for—"Improvements in apparatus for burning animal charcoal."
Provisional protection only.
- PARKINS.**
9th December 1868. **3751. JOSEPH PARKINS**, of Brewer Street, Golden Square, in the County of Middlesex, Manufacturing Stationer, for an invention for—"Improvements in machinery for stamping, embossing or printing in colors."
Letters Patent sealed.
- STURGEON.**
9th December 1868. **3752. THOMAS STURGEON**, of Manchester, in the County of Lancaster, for an invention for—"Improvements in electrical apparatus for communicating between passengers, guards and engine drivers on trains, and for displaying the names of stations in carriages, parts of which are applicable for effecting communication between persons under other circumstances, and for other electrical apparatus."
Provisional protection only.
- GOODES.**
9th December 1868. **3753. ALFRED GEORGE GOODES**, of the firm of G. and S. Goodes, of Newgate Street, in the City of London, Cigar Manufacturers, for an invention for—"Improvements in the manufacture of cigars and cheroots."
Letters Patent sealed.
- 'GRIFFITHS.**
10th December 1868. **3754. WILLIAM GRIFFITHS**, of Mount Street, Grosvenor Square, in the County of Middlesex, for an invention for—"Improvements applicable to bits and bridles."
Letters Patent sealed.
- NORMAN.**
10th December 1868. **3755. JOHN NORMAN**, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for grinding grain or other granular matters."
Letters Patent sealed.
- PLATT.**
10th December 1868. **3756. WILLIAM HENRY PLATT**, of Ashton-under-Lyne, in the County of Lancaster, for an invention for—"Improvements in the construction of shuttles."
Provisional protection only.
- MANWARING.**
10th December 1868. **3757. WILLIAM GEORGE MANWARING**, of the Britannia Iron Works, Banbury, in the County of Oxford, Engineer, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed; no specification filed.
- MATTHIESSEN.**
10th December 1868. **3758. AUGUSTUS MATTHIESSEN**, of Saint Bartholomew's Hospital, in the City of London, Lecturer on Chemistry, for an invention for—"Improvements in the treatment of wood capable of yielding materials suitable for the manufacture of paper."
Letters Patent sealed.
- BONNEVILLE.**
10th December 1868. **3759. HENRI ADRIEN BONNEVILLE**, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"A new and improved apparatus for measuring distances, altitudes and angles."—*A communication from Charles Auguste Constantin Eckhold, a person resident at Alexandria, in the Kingdom of Egypt.*
Complete specification; Letters Patent sealed.
- GRAY.**
BIGGIN.
10th December 1868. **3760. WILLIAM GRAY**, and **THOMAS BIGGIN**, of Sheffield, in the County of York, Saw, File and Machine Knife Manufacturers, carrying on business under the style or firm of Charles Gray and Sons, for an invention for—"Improvements in the manufacture of spanners and wrenches in cast steel, for engineering and all other purposes, and in the machinery and apparatus employed in such manufacture."
Letters Patent sealed.
- JACKSON.**
10th December 1868. **3761. WILLIAM STIRLING JACKSON**, of Carter Street, Walworth, in the County of Surrey, for an invention for—"An improved method of treating bones and the products obtained therefrom, so as to render them available for various useful purposes."
Letters Patent sealed.

SMITH. SIMONS. 10th December 1868.	3762. ISAAC SMITH, of 4, Almorah Road, Down Road, Kingsland, in the County of Middlesex, and JEAN FRANÇOIS NICHOLAS BIESMAN SIMONS, of 30, Great St. Helen's, in the City of London, for an invention for—"Improvements in setting steam-boilers."— <i>A communication to them from abroad by Charles Nelson, a person resident at Troy, United States of America.</i> <i>Provisional protection only.</i>
BROOMAN. 10th December 1868.	3763. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in roofing houses or other buildings."— <i>A communication to him from abroad by Theophile Caranton, of Fresnay-les-Chaumes, France.</i> <i>Letters Patent sealed.</i>
BENTLEY. 10th December 1868.	3764. JOHN FLOWERS BENTLEY, of Peterborough, in the County of Northampton, for an invention for—"Improvements in the mode of sinking or forming wells and in the apparatus to be used therefor, parts of which improvements are also applicable for the sinking of cylinders or caissons for other purposes." <i>Letters Patent sealed.</i>
DAWES. ¹ RAMSDEN. 10th December 1868.	3765. WILLIAM DAWES, Organ and Harmonium Manufacturer, and EDWARD ARCHIBALD RAMSDEN, Music Seller, both of Leeds, in the County of York, for an invention for—"Improvements in harmoniums and other musical instruments." <i>Letters Patent sealed.</i>
PICKLES. RAMSBOTTOM. HAGGAS. FOULDS. SHACKLETON. BERRY. 11th December 1868.	3766. JOHN PICKLES, EDWARD RAMSBOTTOM, SAMUEL HAGGAS, SAMUEL FOULDS, JOSEPH SHACKLETON, all of Bingley, in the County of York, and WILLIAM BERRY, of Bradford, also in the County of York, for an invention for—"Improvements in spinning and twisting frames." <i>Letters Patent sealed.</i>
WAYGOOD. 11th December 1868.	3767. RICHARD WAYGOOD, of Newington, in the County of Surrey, for an invention for—"Improved arrangements or means connected with the ventilation of mines." <i>Provisional protection only.</i>
HOLDER. DOVER. 11th December 1868.	3768. THOMAS HOLDER, of Westbourne Road, Barnsbury, and GEORGE DOVER, of George's Road, Holloway, both in the County of Middlesex, for an invention for—"Improved appliances to be adapted to horse-shoes as a substitute for what is termed 'roughing'." <i>Letters Patent sealed.</i>
CARTER. EDWARDS. 11th December 1868.	3769. HENRY CARTER, and GEORGE HENRY EDWARDS, both of Bow, in the County of Middlesex, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Letters Patent sealed.</i>
KOTZÓ. 11th December 1868.	3770. PAUL KOTZÓ, of Pesth, in the Kingdom of Hungary, at present residing at Norfolk Street, Strand, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in reaping-machines." <i>Letters Patent sealed.</i>
BAILEY. 11th December 1868.	3771. WILLIAM HENRY BAILEY, of the Albion Works, Salford, in the County of Lancaster, Brass Founder and Manufacturer of Instruments for the promotion of the statistical and economical production of steam power, for an invention for—"Improvements in apparatus for indicating and regulating heat." <i>Letters Patent sealed.</i>
WALTON. 11th December 1868.	3772. FREDERICK WALTON, of Staines, in the County of Middlesex, for an invention for—"Improvements in the construction of houses and other buildings or structures." <i>Letters Patent sealed.</i>
BAYLEY. 12th December 1868.	3773. EDWARD HODSON BAYLEY, of 42, Newington Causeway, in the Borough of Southwark, in the County of Surrey, Wheelwright, for an invention for—"Improvements in filter vans and carts and in apparatus connected therewith, some of the said improvements being applicable to filters in general." <i>Provisional protection only.</i>
HUNT. 12th December 1868.	3774. BRISTOW HUNT, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the method of and apparatus for evaporating and cooking."— <i>A communication to him from abroad by Jean François Cail, of the firm of J. F. Cail and Co., of Paris.</i> <i>Provisional protection only.</i>

- MILLWARD.
12th December 1868. 3775. JOHN MILLWARD, of Birmingham, in the County of Warwick, Civil Engineer, for an invention for—"Improvements in preserving meat and animal matter, and in apparatus employed for that purpose."—*A communication to him from abroad by Thomas Sim, of Charleston, South Carolina, United States of America, Doctor of Medicine.*
Letters Patent sealed.
- WOODS.
12th December 1868. 3776. ALEXANDER WOODS, of Holloway, in the County of Middlesex, Upholsterer, for an invention for—"Improvements in the construction of spring mattresses."
Provisional protection only.
- LAW.
12th December 1868. 3777. HENRY LAW, Civil Engineer, of No. 15, Essex Street, Strand, in the County of Middlesex, for an invention for—"Improvements in water-closets."
Provisional protection only.
- ELLISON.
PARKINSON.
12th December 1868. 3778. CAIN ELLISON, and EDWIN PARKINSON, of Crosshills, near Leeds, in the County of York, for an invention for—"Improved means or apparatus to be used in measuring the human body for garments."
Letters Patent sealed.
- SMITH.
12th December 1868. 3779. THOMAS SMITH, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in smiths' bellows."
Provisional protection only.
- POIRIER.
12th December 1868. 3780. ZACHARIE POIRIER, of No. 2, The Grove, South Lambeth, in the County of Surrey, Merchant, for an invention for—"A new or improved safety stopper for bottles and other vessels."
Letters Patent sealed.
- COWPERTHWAIT.
12th December 1868. 3781. STEPHEN COWPERTHWAIT, of Chapel Allerton, near Leeds, in the County of York, for an invention for—"Improvements in machinery for turning materials."
Provisional protection only.
- BROOMAN.
12th December 1868. 3782. CLINTON EDGECUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in apparatus for indicating hours and days or for giving other notifications, specially applicable to post-office letter boxes."—*A communication to him from abroad by Isidore Rollet, of Etrochey, France.*
Provisional protection only.
- PRESTON.
PRESTIGE.
12th December 1868. 3783. GEORGE PRESTON, and JOHN PRESTIGE, of the firm of J. Stone and Company, of Deptford, in the County of Kent, Engineers, for an invention for—"Improvements in engine lubricators."
Letters Patent sealed.
- ERSKINE.
12th December 1868. 3784. FRANCIS ERSKINE, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in means or arrangements for economizing fuel and consuming smoke, applicable to steam-boiler and other furnaces."
Provisional protection only.
- HAMILTON.
CRAWFORD.
12th December 1868. 3785. JOHN HAMILTON, and JETHRO BAXTER CRAWFORD, both of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in tools and mechanism to be used for cutting and dressing stone, rocks or other similar materials."
Provisional protection only.
- PRINCE.
12th December 1868. 3786. ALEXANDER PRINCE, of the Office for Patents, 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the treatment of ores of gold and silver, and of quartz and silicious substances, in order to obtain and apply the products therefrom to various useful purposes."—*A communication to him from abroad by Anthony Leonard Fleury, of Boston, Massachusetts, United States of America.*
Provisional protection only.
- BREMME.
12th December 1868. 3787. GUSTAV ALBRECHT CARL BREMME, of Liverpool, in the County of Lancaster, formerly of Unna, in Westphalia, in the Kingdom of Prussia, Civil Engineer, for an invention for—"Improvements in machinery for breaking and softening flax and other fibrous materials, which improvements are applicable to calendering rollers and other purposes where the same kind of reciprocating rotary motion can be usefully adopted."
Letters Patent sealed.
- MARSDEN.
12th December 1868. 3788. HENRY LOUIS DELABENE MARSDEN, of Louth, in the County of Lincoln, Surveyor and Photographer, for an invention for—"Improvements in the construction of framings and joints applicable to bridges, piers, roofs, vans for railways, and generally for carpentry, joinery, furniture, and framing purposes in wood, metal and other materials."
Provisional protection only.

HINE. 12th December 1868.	3789. JOHN HINE, of Cockermouth, in the County of Cumberland, Miller, for an invention for—"Improvements in apparatus for cutting or dressing millstones." <i>Letters Patent sealed.</i>
NORFOLK. 14th December 1868.	3790. RICHARD NORFOLK, of Beverley, in the County of York, Managing Director of the Beverley Iron and Wagon Company (Limited), for an invention for—"Improvements in reaping-machines." <i>Letters Patent sealed.</i>
MEAKIN. 14th December 1868.	3791. WILLIAM MEAKIN, of Number 3, Great Woodstock Street, in the Parish of Marylebone, London, Engineer, for an invention for—"Certain improvements in the construction of adjustable lock spindles and the fittings thereto." <i>Letters Patent sealed.</i>
NEWTON. 14th December 1868.	3792. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for transmitting power and motion."— <i>A communication to him from abroad by Charles Cornelius Hull, of Williamsburgh, State of New York, United States of America.</i> <i>Provisional protection only.</i>
STEVENS. 14th December 1868.	3793. JAMES JOHN STEVENS, of Darlington Works, Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus for working railway switches, points and signals." <i>Provisional protection only.</i>
SMITH. 14th December 1868.	3794. SYDNEY WILLIAM SMITH, of Leeds, in the County of York, Manufacturer, for an invention for—"Improved machinery or apparatus for spinning, twisting, doubling, drawing or condensing fibrous materials." <i>Provisional protection only.</i>
ALLMARK. BLAKEY. 14th December 1868.	3795. JOSEPH ALLMARK, of Oldham, in the County of Lancaster, Pattern Maker, and WRAY BLAKEY, of Liverpool, also in the County of Lancaster, Machine Maker, for an invention for—"An improved pocket tobacco cutting machine." <i>Provisional protection only.</i>
BROOMAN. 14th December 1868.	3796. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in locks or fastenings for doors and other purposes."— <i>A communication to him from abroad by François Nicolas Cauchemont and François Jean Baptiste Cauchemont, both of Amiens, France.</i> <i>Provisional protection only.</i>
MURPHY. 14th December 1868.	3797. WILLIAM JEREMIAH MURPHY, of Cork, in the County of the City of Cork, Ireland, for an invention for—"Improvements in the construction and working of ordnance." <i>Letters Patent sealed.</i>
THOMAS. 14th December 1868.	3798. JENKIN THOMAS, of No. 4, Gilbert Road, Kennington Lane, in the County of Surrey, Engineer, for an invention for—"An improved tea-kettle." <i>Letters Patent sealed.</i>
HAY. 14th December 1868.	3799. The Honorable JOHN HAY, commonly called LORD JOHN HAY, of 149, Piccadilly, in the County of Middlesex, a Post Captain in Her Majesty's Navy, for an invention for—"Improvements in engine counters, parts of which improvements are applicable to other useful purposes." <i>Letters Patent sealed.*</i>
LYNCH. 14th December 1868.	3800. THOMAS LYNCH, of Enishowen, County Donegal, Ireland, for an invention for—"A new or improved system for preventing collisions on railways." <i>Letters Patent sealed.</i>
WATT. 15th December 1868.	3801. ALEXANDER WATT, of 8, Gracechurch Street, London, in the County of Middlesex, for an invention for—"Improvements in the manufacture of metallic rollers or cylinders for printing purposes, which improvements are also applicable to all metallic surfaces used for printing purposes." <i>Provisional protection only.</i>
BROWN. 15th December 1868.	3802. JOHN HARCOURT BROWN, of Abbey Mills, Romsey, in the County of Hants, Gentleman, for an invention for—"Improvements in the manufacture of helmets, hats, caps and similar articles, and in the apparatus and arrangement thereof employed in the said manufacture." <i>Provisional protection only.</i>
MATHER. 15th December 1868.	3803. COLIN MATHER, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for ginning, burring and cleaning cotton and other fibrous substances."— <i>A communication to him from abroad by Charles Grandison Sargent, of Graniteville, in the State of Massachusetts, in the United States of America.</i> <i>Provisional protection only.</i>

- BONNEVILLE.**
15th December 1868. **3804.** HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 10, Sackville Street, Piccadilly, in the County of Middlesex, and 18, Chaussée d'Antin, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in the production of motive-power and in the apparatus connected therewith."—*A communication from Lars Albert Leonard Söderström, a person resident at No. 52, Rue de Bondy, in Paris, aforesaid, Engineer.*
Complete specification ; Letters Patent sealed.
- WILLIAMSON.**
15th December 1868. **3805.** HENRY WILLIAMSON, of Manchester Road, Denton, in the County of Lancaster, Book-keeper and Traveller, for an invention for—"Improvements in the manufacture of felt and other hats."
Letters Patent sealed.
- BAUMANN.**
15th December 1868. **3806.** ALEXANDER BAUMANN, of Heilbronn, Wurtemberg, but now residing in Cecil Street, in the County of Middlesex, for an invention for—"Improvements in pressure-governed slide valves."
Letters Patent sealed.
- GARDEN.**
15th December 1868. **3807.** ROBERT SPRING GARDEN, of No. 29, Piccadilly, in the City of Westminster, Army Contractor, for an invention for—"An improved portable cartridge pouch or box."
Provisional protection only.
- BYWATER.**
15th December 1868. **3808.** WILLIAM BYWATER, of the Sweet Street Foundry, Holbeck, near Leeds, in the County of York, for an invention for—"Improvements in apparatus employed in the manufacture of felt."
Letters Patent sealed.
- CHILCOT.**
15th December 1868. **3809.** JAMES WILLIAM CHILCOT, of Portsea, in the County of Hants, Stay Manufacturer, for an invention for—"Improvements in the construction of stays or corsets."
Provisional protection only.
- POCOCK.**
15th December 1868. **3810.** CHARLES ASHWELL BOTELAR POCOCK, a Commander in the Royal Navy, of the "Wellesley" Industrial School Ship, off South Shields, in the County of Durham, for an invention for—"Improvements in the construction of bedsteads and leg rests for railway carriages."
Provisional protection only.
- BROOMAN.**
15th December 1868. **3811.** CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improved means or apparatus to be employed in diving or subaqueous operations."—*A communication to him from abroad by Cornwall Henwood and Robert Harkness Twigg, two persons at present resident at Sombbrero Island, in the West Indies.*
Letters Patent sealed.
- LOCKHART.**
15th December 1868. **3812.** MILES LOCKHART, of Douglas, in the Isle of Man, for an invention for—"Improved means or apparatus for ventilating, chiefly applicable to chimneys."
Letters Patent sealed.
- BROWN-WEST-HEAD.**
SMITH.
15th December 1868. **3813.** MARCUS BROWN-WESTHEAD, of Manchester, in the County of Lancaster, Merchant, and ROBERT SMITH, of the same place, Manager, for an invention for—"Improvements applicable to spools or bobbins upon which thread or twine is wound for sewing and other purposes."
Letters Patent sealed.
- FRAZER.**
NAAR.
15th December 1868. **3814.** JOSEPH FRAZER, Silk Mercer, and WILLIAM NAAR, Upholsterer, both of Bayswater, in the County of Middlesex, for an invention for—"Improvements in the construction of mattresses and camp beds."
Letters Patent sealed.
- KOTZÓ.**
15th December 1868. **3815.** PAUL KOTZÓ, of Pesth, in the Kingdom of Hungary, Civil Engineer, at present residing at Norfolk Street, Strand, in the City of Westminster, for an invention for—"Improvements in steam-engines."
Letters Patent sealed.
- WILSON.**
15th December 1868. **3816.** THOMAS WILSON, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in couplings for connecting tubes for signalling on railway trains and for other purposes."
Provisional protection only.
- GRICE.**
15th December 1868. **3817.** JAMES THOMAS GRICE, of the firm of Edwin and James Grice, of Birmingham, in the County of Warwick, Tube Manufacturers, for an invention for—"Improvements in machinery for ornamenting metallic tubes and rods."
Letters Patent sealed.
- SCRIVEN.**
15th December 1868. **3818.** JOHN ENRAGHT SCRIVEN, of Powerstown House, Mulhuddart, in the County of Dublin, for an invention for—"Improvements in apparatus for heating the air in chambers, apartments or buildings, and for heating water, which apparatus is applicable for Turkish baths and other purposes."
Provisional protection only.

MILL.
16th December 1868.

COTTON.
ATTENBOROUGH.
16th December 1868.

NICHOLSON.
16th December 1868.

VÉREL.
CAMERON.
16th December 1868.

HOLLINGWORTH.
16th December 1868.

EVERARD.
16th December 1868.

FIDLER.
16th December 1868.

DESENS.
16th December 1868.

WAPPENSTEIN.
RAY.
16th December 1868.

CLARK.
16th December 1868.

WORRALL.
KERSHAW.
16th December 1868.

AVELING.
16th December 1868.

RYLAND.
16th December 1868.

LISTER.
16th December 1868.

RITCHIE.
16th December 1868.

LISTER.
16th December 1868.

3819. JOHN MILL, of Southampton, in the County of Hampshire, Steam Dyer, for an invention for—"An improved method of heating press plates."

Provisional protection only.

3820. WILLIAM COTTON, of Loughborough, in the County of Leicester, and EDWARD ATTENBOROUGH, of No. 73, Brunswick Street, The Meadows, Nottingham, for an invention for—"Improvements in apparatus for the manufacture of looped fabrics."

Letters Patent sealed.

3821. WILLIAM NEWZAM NICHOLSON, of Newark-upon-Trent, in the County of Nottingham, Engineer, for an invention for—"An improved portable mangle."

Letters Patent sealed; specification filed by order.

3822. WILLIAM ARISTIDES VÉREL, Manager, and JOHN CAMERON, Chemist to the Tharsis Sulphur and Copper Company (Limited), of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements relating to the precipitation of copper and other metals from solutions by iron, and to their extraction from slag or scoria."

Provisional protection only.

3823. OLLIVE HOLLINGWORTH, of 105, Hereford Road, Westbourne Park, W., Esquire, for an invention for—"An improved combined open and closed carriage."

Provisional protection only.

3824. JOHN BREEDON EVERARD, of Leicester, in the County of Leicester, for an invention for—"Improvements in machines for drilling or boring rocks."

Provisional protection only.

3825. THOMAS CLAXTON FIDLER, of Ventnor, in the Isle of Wight, Civil Engineer, for an invention for—"Improvements in the rolling stock of railways and tramways, also in traction engines and other vehicles."

Letters Patent sealed.

3826. LOUIS DESENS, of No. 31, Charing Cross, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in miners' lamps."

Provisional protection only.

3827. RUDOLPH WAPPENSTEIN, and RICHARD RAY, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved system and apparatus for registering the numbers of passengers travelling in or on omnibuses and other conveyances."

Provisional protection only.

3828. ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improved processes for inlaying metals."—*A communication to him from abroad by Hugues Antoine Paul Christofle and Charles Henri Bouilhet, of the firm of Christofle and Company, of 56, Rue de Bondy, Paris, Silversmiths.*

Letters Patent sealed.

3829. JAMES WORRALL, of Manchester, in the County of Lancaster, Dyer, and JOHN KERSHAW, of Wadsworth, in the Parish of Halifax, and County of York, Spinner, for an invention for—"Improvements in drying stoves and in machinery to be used therewith."

Letters Patent sealed.

3830. THOMAS AVELING, of Rochester, in the County of Kent, Engineer, for an invention for—"An improved arrangement of machinery to be employed in steam cultivation."

Letters Patent sealed.

3831. FREDERICK RYLAND, of West Bromwich, in the County of Stafford, Mechanical Engineer, for an invention for—"Improvements in the manufacture of metallic lids for saucepans and other articles of hollow-ware, and in machinery or apparatus to be employed in the said manufacture."

Letters Patent sealed.

3832. SAMUEL CUNLIFFE LISTER, of Manningham, near Bradford, in the County of York, for an invention for—"Improvements in steam-boilers."

Letters Patent sealed; no specification filed.

3833. GEORGE RITCHIE, of Folkestone, in the County of Kent, for an invention for—"Improvements in compositions suitable for being applied to woven fabrics and other surfaces."

Letters Patent sealed.

3834. SAMUEL CUNLIFFE LISTER, of Manningham, near Bradford, in the County of York, for an invention for—"Improvements in preparing wool, flax and china grass, and in combing cotton, wool, flax and china grass."

Letters Patent sealed.

- HALL.
CRITCHLEY.
FOX.
17th December 1868. 3835. JAMES TURNER HALL, of Liverpool, in the County of Lancaster, Engineer, GEORGE CRITCHLEY, of the same place, Jeweller, and HOWARD BUSBY FOX, of Oxtou, Cheshire, Gentleman, for an invention for—"An improved self-acting rack or catch with or without hinge." *Provisional protection only.*
- THORNILEY.
WING.
17th December 1868. 3836. JOSHUA THORNILEY, and GEORGE BLISS WING, of Massachussetts, United States of America, at present temporarily residing at Manchester, in the County of Lancaster, for an invention for—"An improved process of restoring or renewing worn-out files." *Provisional protection only.*
- HADFIELD.
17th December 1868. 3837. GEORGE HADFIELD, of Lancaster, Varnish Manufacturer, for an invention for—"Improvements in the manufacture of varnish." *Letters Patent sealed.*
- ROBERT-THEURER.
17th December 1868. 3838. FRITZ ROBERT-THEURER, of the firm of Robert-Theurer et fils, of Chaux de Fonds, Switzerland, Manufacturer, for an invention for—"Improvements in apparatus for winding and setting the hands of watches." *Letters Patent sealed.*
- PERRY.
17th December 1868. 3839. ARTHUR PERRY, of Dartford, in the County of Kent, Printer and Stationer, for an invention for—"Improvements in lighting or illuminating stained, painted or colored windows." *Provisional protection only.*
- LENNOX.
PEARMAN.
PEARMAN.
17th December 1868. 3840. WILLIAM HENRY LENNOX, of Hampstead Road, and JOHN WILLIAM PEARMAN, and WILLIAM JAMES PEARMAN, both of Castle Street East, Oxford Street, all in the County of Middlesex, Music Printers, for an invention for—"Improvements in the apparatus used in the production of surfaces for printing music." *Provisional protection only.*
- MANNERS.
17th December 1868. 3841. WILLIAM MANNERS, of the Town and County of the Town of Nottingham, Merchant, for an invention for—"An irreversible passengers' railway danger signal." *Provisional protection only.*
- BENSON.
VALENTIN.
17th December 1868. 3842. GEORGE HENRY BENSON, of Staleybridge, in the County of Chester, Engineer, and WILLIAM GEORGE VALENTIN, of the Royal College of Chemistry, Chemist, for an invention for—"Improvements in the manufacture of iron and steel, and in the apparatus employed therein." *Provisional protection only.*
- BENSON.
VALENTIN.
17th December 1868. 3843. GEORGE HENRY BENSON, of Staleybridge, in the County of Chester, Engineer, and WILLIAM GEORGE VALENTIN, of the Royal College of Chemistry, Chemist, for an invention for—"Improvements in the generation or production of combustible gases and in the apparatus employed therein." *Letters Patent sealed.*
- INGLIS.
ENGLISH.
17th December 1868. 3844. THOMAS INGLIS, Lieutenant Colonel Royal Engineers, and THOMAS ENGLISH, Lieutenant Royal Engineers, and both of Her Majesty's War Office, for an invention for—"Improvements in the construction of tubes or cylinders capable of resisting great internal pressure." *Provisional protection only.*
- KNEVITT.
HAZARD.
17th December 1868. 3845. FREDERICK HARTT KNEVITT, of No. 3, Sun Court, Cornhill, Architect, and HENRY HERBERT HAZARD, of No. 2, Queen Street, Cheapside, Engineer, both in the City of London, for an invention for—"Improvements in shutters and blinds for windows, doorways and other apertures, and in the means for adjusting the same." *Letters Patent sealed.*
- WALKER.
17th December 1868. 3846. JOHN CRAWFORD WALKER, of Gainsborough Square, Hackney Wick, in the County of Middlesex, for an invention for—"The production of an acid powder and the use thereof, in combination with an alkaline carbonate, in the treatment of flour employed in the manufacture of bread and other farinaceous food." *Provisional protection only.*
- HALLIMOND.
17th December 1868. 3847. ROBERT HALLIMOND, of Escomb, Bishop Auckland, in the County of Durham, for an invention for—"An improved lubricator specially adapted for coal and other tubs used in mining operations." *Letters Patent sealed.*
- QUICK.
SAMPSON.
17th December 1868. 3848. JOSEPH QUICK the younger, of Sumner Street, Southwark, in the County of Surrey, Civil Engineer, and JOHN SAMPSON, of Battersea Park, in the same County, Engineer, for an invention for—"Improvements in the construction of pistons." *Letters Patent sealed.*
- POUNCY.
17th December 1868. 3849. JOHN POUNCY, of Dorchester, in the County of Dorset, for an invention for—"Improvements in the production of plain or coloured photographic and other pictures." *Letters Patent sealed.*
- LIEBERMANN.
GRAEBE.
18th December 1868. 3850. CHARLES LIEBERMANN, and CHARLES GRAEBE, of Berlin, in the Kingdom of Prussia, Chemists, for an invention for—"Improvements in preparing coloring matters." *Letters Patent sealed.*

HUGHES. 18th December 1868.	3851. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in means and apparatus for reducing the friction and assisting the flotation of vessels when passing through the water."— <i>A communication to him from abroad by Adrien Huet, of Delft, in the Kingdom of Holland, Civil Engineer.</i> <i>Provisional protection only.</i>
HUGHES. 18th December 1868.	3852. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in tea and coffee urns and other similar vessels."— <i>A communication to him from abroad by George Jones, of the City and County of New Haven, United States of America.</i> <i>Provisional protection only.</i>
BRIERLEY. 18th December 1868.	3853. JOHN WINTERBOTTOM BRIERLEY, of Oldham, in the County of Lancaster, Bolt Manufacturer, for an invention for—"Improvements in machinery or apparatus for forging nuts." <i>Letters Patent sealed.</i>
THOMAS. 18th December 1868.	3854. WILLIAM FREDERICK THOMAS, of No. 1, Cheapside, in the City of London, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
HODGSON. BOTTOMLEY. COCKROFT. 18th December 1868.	3855. JOHN HODGSON, of Bradford, Machine Maker, HENRY BOTTOMLEY, of Low Moor, Manufacturer, and EZRA COCKROFT, of Odsell Moor, Bradford, all in the County of York, for an invention for—"Improvements in apparatus employed in weaving." <i>Letters Patent sealed.</i>
GRIFFITHS. 18th December 1868.	3856. EDWARD SAMUEL GRIFFITHS, of Sheerness, in the County of Kent, Writer, for an invention for—"Improved means or apparatus for carrying anchors inboard after being weighed." <i>Letters Patent sealed.</i>
SALTER. SILVESTER. 18th December 1868.	3857. THOMAS BACHE SALTER, of West Bromwich, in the County of Stafford, Manufacturer, and JOHN SILVESTER, of West Bromwich, aforesaid, Manufacturer, for an invention for—"Improvements in pressure or steam gauges." <i>Letters Patent sealed.</i>
EDRIDGE. MERRETT. 18th December 1868.	3858. JOHN EDRIDGE, of Birmingham, in the County of Warwick, Manufacturer, and JOEL MERRETT, of Birmingham, aforesaid, Manufacturer, for an invention for—"Improvements in tinning pins and other small articles, and in machinery or apparatus to be used for that purpose." <i>Letters Patent sealed.</i>
REMINGTON. 18th December 1868.	3859. SAMUEL REMINGTON, of Ilion, New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"An improved method of manufacturing the shoe or breech-piece for breech-loading fire-arms." <i>Letters Patent sealed.</i>
IMHOF. 18th December 1868.	3860. DANIEL IMHOF, of 547, Oxford Street, in the County of Middlesex, Musical Instrument Maker, for an invention for—"Improvements in the machinery of chimes, applicable also to organs." <i>Complete specification; protection for Six Months only.</i>
SPENCER. 18th December 1868.	3861. THOMAS SPENCER, of Bolton-le-Moors, in the County of Lancashire, Mechanic, for an invention for—"Improvements in machinery for spinning cotton, silk, wool and other fibrous materials into yarn, and which may also be used for doubling the same, and in each case winding the yarn on to a spindle, in the form of a cop." <i>Complete specification; Letters Patent sealed.</i>
ROBINSON. 18th December 1868.	3862. GEORGE DANNETT ROBINSON, of 277, Gray's Inn Road, King's Cross, in the County of Middlesex, for an invention for—"Improvements in carriages." <i>Provisional protection only.</i>
VAUGHAN. 18th December 1868.	3863. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of rosin oil."— <i>A communication to him from abroad by Paul Curie, residing at Bordeaux, in the Empire of France.</i> <i>Letters Patent sealed.</i>
PAVY. CLARK. 8th December 1868.	3864. EUGENE PAVY, of Paris, in the Empire of France, but now residing at Manchester, in the County of Lancaster, and JAMES CLARK, of Manchester, aforesaid, India-Rubber Manufacturer, for an invention for—"Improvements in the preparation or treatment of jute, china grass, cotton and other fibrous materials in the raw state, spun into yarns, or woven into fabrics." <i>Letters Patent sealed.</i>

- PETRIE.**
CHEETHAM.
18th December 1868. **3865.** JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Machine Maker, and WILLIAM THOMAS CHEETHAM, of Ashton-under-Lyne, in the County of Lancaster, Mechanical Draughtsman, for an invention for—"Improvements in apparatus for warming apartments, conservatories and other structures, applicable also to evaporating purposes." *Provisional protection only.*
- BROWN-WEST-HEAD.**
SMITH.
18th December 1868. **3866.** MARCUS BROWN-WESTHEAD, of Manchester, in the County of Lancaster, Merchant, and ROBERT SMITH, of the same place, Manager, for an invention for—"Improvements applicable to thread or twine which is wound upon bobbins, spools or other surfaces." *Provisional protection only.*
- LEROY.**
19th December 1868. **3867.** LAURENT EUGÈNE LEROY, of No. 3, Rue de l'Arbre-sec, and 37, Boulevard Bonne-Nouvelle, Paris, France, Gentleman, for an invention for—"An improved method of advertising and apparatus therefor." *Provisional protection only.*
- BRIERLEY.**
19th December 1868. **3868.** JOSEPH BRIERLEY, of Blackburn, in the County of Lancaster, Civil Engineer, for an invention for—"Improved apparatus for facilitating the ventilation of sewers and drains, and the discharge of noxious gases therefrom, and for preventing the ingress of such gases to houses or buildings." *Provisional protection only.*
- MAYNARD.**
GRIME.
19th December 1868. **3869.** MOSES SAVERY MAYNARD, and ROBERT GRIME, both of Preston, in the County of Lancaster, Cotton Spinners, for an invention for—"Improvements in machinery for regulating the speed of motive-power engines." *Letters Patent sealed.*
- SPENCE.**
19th December 1868. **3870.** PETER SPENCE, of Newton Heath, near Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of alum and aluminous salts." *Letters Patent sealed.*
- JONES.**
19th December 1868. **3871.** JOSEPH JONES, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in drawing off the vapours from baths employed in coating metals." *Letters Patent sealed.*
- THOMSON.**
19th December 1868. **3872.** WILLIAM SPARKS THOMSON, of Cheapside, in the City of London, Manufacturer, for an invention for—"Improvements in ladies' skirts."—*The result partly of a communication made to him from abroad by Charles Langdon, of the City and State of New York, United States of America, and partly of invention and discovery made by him.* *Provisional protection only.*
- DICKSON.**
19th December 1868. **3873.** JOHN DICKSON, of Leith, in the County of Midlothian, North Britain, for an invention for—"Improvements in the arrangement and construction of windows." *Letters Patent sealed.*
- ASKER.**
19th December 1868. **3874.** GEORGE HENRY ASKER, of 20, Gentleman's Walk, Norwich, in the County of Norfolk, for an invention for—"Improvements in umbrellas, parasols and sunshades." *Letters Patent sealed.*
- WARWICK.**
BOYLE.
19th December 1868. **3875.** THOMAS WARWICK, and ARTHUR BOYLE, both of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in machinery to be employed in the manufacture and testing of the stretchers and ribs of umbrellas and parasols." *Letters Patent sealed.*
- LAKE.**
21st December 1868. **3876.** WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for cutting and working rocks and other hard substances, chiefly designed for mining, tunnelling and other like operations."—*A communication to him from abroad by James Asbury McKean, of Paris, in the Empire of France.* *Letters Patent sealed.*
- SHAW.**
21st December 1868. **3877.** THOMAS RAMSDEN SHAW, of Pendleton, in the County of Lancaster, Mill Manager, for an invention for—"Improvements in the method of lubricating the bearings of the shafting, journals of machinery and other journals or bearings." *Provisional protection only.*
- STANLEY.**
21st December 1868. **3878.** WILLIAM FORD STANLEY, of Great Turnstile, Holborn, in the County of Middlesex, Optician, for an invention for—"Improvements in the construction of machines for exciting frictional electricity." *Letters Patent sealed.*
- WILSON.**
21st December 1868. **3879.** ROBERT WILSON, of the Bridgewater Foundry, Patricroft, near the City of Manchester, Engineer, for an invention for—"Certain improvements in machinery or tools for cutting metals and other materials, part of which is applicable to hydraulic and other machines." *Letters Patent sealed.*

MASSEY. 21st December 1868.	3880. JOHN EDWARD MASSEY, of No. 17, Chadwell Street, Clerkenwell, in the County of Middlesex, Manufacturer of Patent Logs and Sounding Machines, for an invention for—"Improvements in machines for taking soundings (known as Massey's sounding machines)." <i>Provisional protection only.</i>
THOMPSON. 21st December 1868.	3881. HENRY GRAHAM THOMPSON, of New York, United States of America, but at present of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture of carpets and other figured fabrics, and in weaving machinery employed therein." <i>Letters Patent sealed.</i>
LEWIS. 21st December 1868.	3882. WILLIAM LEWIS, of Shrewsbury, in the County of Salop, Engineer, for an invention for—"Improvements in ploughs for tilling land." <i>Provisional protection only.</i>
BAGGS. 21st December 1868.	3883. ISHAM BAGGS, of High Holborn, in the County of Middlesex, Chemist and Engineer, for an invention for—"Improvements in the manufacture of iron." <i>Provisional protection only.</i>
WALKER. 21st December 1868.	3884. JOHN SCARISBRICK WALKER, of Wigan, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery or apparatus for undermining, 'holeing' and cutting coal and other mineral." <i>Letters Patent sealed.</i>
LUND. AXMANN. 21st December 1868.	3885. LAURENTIUS ANDREAS WALDEMAR LUND, and EDMUND AXMANN, both of No. 60, Chandos Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the manufacture of brooches, buttons, solitaires and other articles of jewellery or ornament." <i>Letters Patent sealed.</i>
COWPER. 21st December 1868.	3886. EDWARD ALFRED COWPER, of No. 6, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in velocipedes." <i>Provisional protection only.</i>
WHITAKER. 21st December 1868.	3887. RICHARD WHITAKER, of Wolverhampton, in the County of Stafford, Pawnbroker, for an invention for—"Improvements in fastenings or locks, applicable to locks, bolts, latches, sashes, shutters, bags, and all other purposes where fastenings are or may be required." <i>Letters Patent sealed.</i>
PIDDING. 21st December 1868.	3888. WILLIAM PIDDING, of Walcot Square, in the County of Surrey, Gentleman, for an invention for—"Improvements in mechanism applicable to locomotion." <i>Provisional protection only.</i>
WILKINSON. 21st December 1868.	3889. JOHN WILKINSON the younger, of St. Helen's Mills, Hunslet, Leeds, in the County of York, for an invention for—"An improved manufacture of saddle cloths and numnahs or cavalry blankets." <i>Letters Patent sealed.</i>
HUBBELL. 21st December 1868.	3890. THEODORE BYRON HUBBELL, of Euston Square, in the County of Middlesex, Manufacturer, for an invention for—"An improved construction of bandage to be used by females."— <i>A communication to him from abroad by Augustus Hubbell, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
JOHNSON. 21st December 1868.	3891. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sharpening and setting saws, and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Charles Aimé Perrey, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HAMMOND. 21st December 1868.	3892. HENRY WOODCROFT HAMMOND, of 43, Princess Street, Manchester, in the County of Lancashire, Engineer, for an invention for—"A spring paul washer."— <i>A communication to him from abroad by Philip Justice, of the City of Philadelphia, State of Pennsylvania, United States of America, Commission Agent.</i> <i>Letters Patent sealed.</i>
GEDGE. 21st December 1868.	3893. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A novel bituminous composition."— <i>A communication to him from abroad by Felicie Labat and Joseph Meric, both of 37, Boulevard Bonne-Nouvelle, Paris, France.</i> <i>Letters Patent sealed.</i>
JARRE. 21st December 1868.	3894. PIERRE GABRIEL JARRE, of No. 37, Boulevard Bonne Nouvelle, Paris, in the Empire of France, Engineer, for an invention for—"A hydro-pneumatic pump." <i>Letters Patent sealed.</i>

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| <p>GEDGE.
21st December 1868.</p> <p>BREEDEN.
21st December 1868.</p> <p>CLAYTON.
21st December 1868.</p> <p>RITCHIE.
21st December 1868.</p> <p>CLARK.
21st December 1868.</p> <p>VANNER.
PREST.
21st December 1868.</p> <p>PAINE.
22nd December 1868.</p> <p>JENSEN.
22nd December 1868.</p> <p>CHALLINER.
22nd December 1868.</p> <p>PALMER.
22nd December 1868.</p> <p>TIDCOMBE.
22nd December 1868.</p> <p>JOHNSON.
22nd December 1868.</p> <p>GISBORNE.
22nd December 1868.</p> <p>SMART.
22nd December 1868.</p> <p>GISBORNE.
22nd December 1868.</p> | <p>3895. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved construction of cock or tap."—<i>A communication to him from abroad by Claude Renard, Michel Perret, and Jules César Voituret, all of the firm of Gardon and Renard, of Macon, France.</i> <i>Letters Patent sealed.</i></p> <p>3896. JOSEPH BREEDEN, of the firm of J. and W. Breeden and Booth, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in taps or valves for liquids, gases and vapours." <i>Letters Patent sealed.</i></p> <p>3897. JOSEPH CLAYTON, of Preston, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for working the valves of steam and other engines." <i>Provisional protection only.</i></p> <p>3898. GEORGE RITCHIE, of Folkestone, in the County of Kent, for an invention for—"Improvements in constructing parasols and weather protectors or tents." <i>Letters Patent sealed.</i></p> <p>3899. WILLIAM RICHARD CLARK, of 5, High Street, Forest Hill, in the County of Kent, for an invention for—"Improvements in apparatus for communicating between the passengers and guard and engine driver of railway trains." <i>Provisional protection only.</i></p> <p>3900. HENRY THORNTON VANNER, and EDWARD PREST, of 32, Great St. Helen's, in the City of London, for an invention for—"Improvements in currying and dressing leather."—<i>A communication to them from abroad by Thomas Saunby, a person resident at South Street, New York, in the United States of America.</i> <i>Letters Patent sealed.</i></p> <p>3901. LEWIS JAMES PAINE, of Number Three hundred and sixty-six, Oxford Street, in the County of Middlesex, Special advertising Agent, for an invention for—"New or improved removable collars and comforters combined." <i>Provisional protection only.</i></p> <p>3902. CAPTAIN JOHANNES JENSEN, of Bergen, Norway, for an invention for—"Reefing and unreefing the mainsail and jib of vessels." <i>Provisional protection only.</i></p> <p>3903. WILLIAM CHALLINER, of Winco Road, Grimesthorpe, in the Parish of Sheffield, in the County of York, Fork Maker, for an invention for—"Stamping forks or spoons of steel, iron, silver or any other metal." <i>Provisional protection NOT allowed.</i></p> <p>3904. JAMES PALMER, of Sutton Coldfield, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of steel agricultural and horticultural and other like forks." <i>Letters Patent sealed.</i></p> <p>3905. GEORGE TIDCOMBE the younger, of the firm of George Tidcombe and Son, Engineers, of Watford, in the County of Herts, for an invention for—"Improvements in apparatus for conducting paper from paper-making machinery or otherwise, in order to its being cut into sheets, and also for facilitating the collecting of paper as cut into sheets, and in damping paper for printing." <i>Letters Patent sealed.</i></p> <p>3906. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for the manufacture of sheaves or pulleys for hoisting and hauling tackle."—<i>A communication to him from abroad by Eugène Damien and Joseph Kister, both of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i></p> <p>3907. FREDERIC NEWTON GISBORNE, of 445, West Strand, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for effecting the explosion of torpedoes and other explosive charges, part of which improvements is applicable to electric telegraphy." <i>Provisional protection only.</i></p> <p>3908. SAMUEL SMART, of East End Boiler Works, Bromley, in the County of Middlesex, for an invention for—"Improvements in steam and other boilers." <i>Letters Patent sealed.</i></p> <p>3909. FREDERIC NEWTON GISBORNE, of 445, West Strand, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for generating gas used for heating and lighting, and in means for heating by gas." <i>Provisional protection only.</i></p> |
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SNAPÉ. 22nd December 1868.	3910. JOHN SNAPÉ, of Mountain Ash, near Aberdare, South Wales, Mechanical Engineer, for an invention for—"Improvements in pumps or apparatus for drawing and forcing fluids, particularly applicable to the ventilation of mines." <i>Letters Patent sealed</i>
PRICE. 22nd December 1868.	3911. DAVID SIMPSON PRICE, of No. 26, Great George Street, Westminster, in the County of Middlesex, Consulting Chemist, for an invention for—"Improvements in the manufacture of iron and steel." <i>Provisional protection only.</i>
SEZILLE. 22nd December 1868.	3912. ALEXANDRE SEZILLE, of Paris, Rue de Lancry, No. 10, Merchant, for an invention for—"Improvements in treating corn for panification." <i>Letters Patent sealed.</i>
CLAY. 22nd December 1868.	3913. WILLIAM CLAY, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in the manufacture of forgings and in machinery to be used therein." <i>Letters Patent sealed.</i>
JENNINGS. 22nd December 1868.	3914. JOSIAH GEORGE JENNINGS, of Palace Wharf, Lambeth, in the County of Surrey, Sanitary Engineer, for an invention for—"Improvements in apparatus for treating sewage and for irrigating land with sewage and other waters." <i>Letters Patent sealed.</i>
NORTON. 22nd December 1868.	3915. BENJAMIN NORTON, of Nortonthorpe Mills, near Huddersfield, in the County of York, Fancy Cloth Manufacturer, for an invention for—"Improvements in tipping pile fabrics and in apparatus to be used for such purpose." <i>Letters Patent sealed.</i>
GEDGE. 22nd December 1868.	3916. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of floating docks intended for raising and careening vessels, and also for their construction."—<i>A communication to him from abroad by Jean Louis Chemallé, senior, of Tours, France, Merchant.</i> <i>Letters Patent sealed.</i>
MAUGHAN. 23rd December 1868.	3917. BENJAMIN WADDY MAUGHAN, of Number 214, Goswell Road, in the County of Middlesex, Decorative Painter, for an invention for—"Improvements in apparatus for the heating of water and other liquids, applicable for baths and other purposes." <i>Letters Patent sealed.</i>
THORNTON. 23rd December 1868.	3918. EDWIN MARTIN THORNTON, of Brooke Street, Holborn, in the County of Middlesex, Glass Manufacturer, for an invention for—"Improvements in 'footstools,' foot-cushions or hassocks, which improvements may also be applied to chairs, couches or other similar articles of furniture." <i>Provisional protection only.</i>
WOLMERSHAUSEN. 23rd December 1868.	3919. GEORGE MICHAEL WOLMERSHAUSEN, of Mayfair, in the County of Middlesex, for an invention for—"An apparatus adjustable to the form of the human figure, for the purposes of measuring." <i>Provisional protection only.</i>
REEVE. 23rd December 1868.	3920. WILLIAM GEORGE REEVE, of Greenwich, in the County of Kent, Gentleman, for an invention for—"Improvements in inkstands." <i>Letters Patent sealed.</i>
HOOKEHAM. 23rd December 1868.	3921. GEORGE HOOKEHAM, of Oxford, in the County of Oxford, Gentleman, for an invention for—"Improvements in sash lines and pulleys for the same, also in fastening such lines to sashes, and in sashes and frames used therewith, such improvements in sash lines being applicable to cords, lines, straps and bands for cranes and other purposes." <i>Letters Patent sealed.</i>
LOWRY. 23rd December 1868.	3922. GEORGE LOWRY, Engineer and Machinist, of Salford, in the County Palatine of Lancashire, for an invention for—"Improvements in bushes or ferrules for casks and other purposes, and for improvements in fixing the same." <i>Letters Patent sealed.</i>
THOMPSON. 23rd December 1868.	3923. HENRY GRAHAM THOMPSON, of New York, United States of America, but at present of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"A new and improved manufacture of figured terry or cut pile carpets and other figured fabrics." <i>Letters Patent sealed.</i>
JOHNSON. 23rd December 1868.	3924. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of plates for holding artificial teeth."—<i>A communication to him from abroad by Edward Brigham Goodall, of Portsmouth, State of New Hampshire, United States of America, Doctor, Dental Surgery.</i> <i>Provisional protection only.</i>

- GEDGE.**
23rd December 1868. **3925.** WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved electric bell-sounding and telegraphing apparatus for domestic use."—*A communication to him from abroad by Léon Victor Jacquemard, of Caen, France, Banker.* *Letters Patent sealed.*
- WARREN.**
23rd December 1868. **3926.** FREDERIC PELHAM WARREN, of Northumberland House, High Road, Lee, in the County of Kent, Commander in the Royal Navy, for an invention for—"Improvements in cooking apparatus, which improvements are applicable also to other apparatus for transmitting heat to liquids and generating steam." *Letters Patent sealed.*
- WILSON.**
23rd December 1868. **3927.** JOSEPH WILLIAM WILSON, of Craven Street, Strand, in the City of Westminster, Engineer, for an invention for—"Improvements in the construction of hydraulic lifts for raising floating bodies." *Letters Patent sealed.*
- NEWTON.**
23rd December 1868. **3928.** ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in treating cod-liver oil and other oily or fatty matters to render them acceptable to the palate."—*A communication to him from abroad by Thaddeus Hyatt, of the City and State of New York, United States of America.* *Letters Patent sealed.*
- CLARK.**
23rd December 1868. **3929.** ALEXANDER MELVILLE CLARK, of 53, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in gas-burners."—*A communication to him from abroad by Joseph Paul Clovis, Storekeeper to the Department of the Imperial Household and Fine Arts, of 13, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- WALENN.**
24th December 1868. **3930.** WILLIAM HENRY WALENN, of 19, Talbot Road, Tufnell Park West, Holloway, in the Parish of Islington, in the County of Middlesex, Civil Engineer and Electrician, for an invention for—"Improvements in the electric deposition of copper and brass." *Letters Patent sealed.*
- WARREN.**
24th December 1868. **3931.** THOMAS WARREN, of Glasgow, in the County of Lanark, North Britain, Glass Manufacturer, for an invention for—"Improvements in glass furnaces." *Letters Patent sealed.*
- JOHNSON.**
24th December 1868. **3932.** JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the preparation and apparatus for transmission of electric telegraphic despatches."—*A communication to him from abroad by Henri Gensoul, of Paris, in the Empire of France.* *Provisional protection only.*
- LAKE.**
24th December 1868. **3933.** WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved combined boat and carriage designed for use on either land or water, and in apparatus connected therewith."—*A communication to him from abroad by François de Amezaga, of Paris, in the Empire of France, ex-Captain of the Italian Navy.* *Letters Patent sealed.*
- ABEL.**
24th December 1868. **3934.** CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in rolling mills."—*A communication to him from abroad by Charles Mongin, of the firm of Ch. Mongin and Co., of Paris, in the Empire of France, Saw Manufacturers.* *Letters Patent sealed.*
- ROBINSON.**
SMITH.
24th December 1868. **3935.** HENRY ROBINSON, of Bridge Mills, Lewisham, in the County of Kent, and JOHN SMITH, of Carshalton, in the County of Surrey, for an invention for—"Improvements in apparatus for dressing millstones." *Letters Patent sealed.*
- BOBY.**
24th December 1868. **3936.** ROBERT BOBY, of Bury St. Edmunds, in the County of Suffolk, Agricultural Implement Maker, for an invention for—"Improvements in the construction of floors for malt kilns or drying rooms." *Letters Patent sealed.*
- TURNBULL.**
24th December 1868. **3937.** HENRY CHARLES MONTAGU TURNBULL, of the Naval and Military Club, Piccadilly, in the County of Middlesex, Lieutenant in Her Majesty's Sixth Regiment of Foot, for an invention for—"Improvements in apparatus or means for working punkahs or fans." *Letters Patent sealed.*
- CLIFFORD.**
24th December 1868. **3938.** HENRY CLIFFORD, of Greenwich, in the County of Kent, Engineer, for an invention for—"Improvements in the manufacture of submarine telegraph cables." *Letters Patent sealed.*

RIDGWAY. WALKER. 24th December 1868.	3939. WILLIAM HENRY RIDGWAY, of Hanley, in the County of Stafford, and FREDERICK WILLIAM WALKER, of Hanley, in the County of Stafford, for an invention for—"Improvements in the manufacture of ornamental bricks, tiles, slabs and other like articles, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
PILLINER. HILL. 24th December 1868.	3940. ALFRED COLERICK PILLINER, of the Oakfield Works, near Newport, in the County of Monmouth, Civil Engineer, and JAMES CHARLES HILL, of the same place, Ironmaster, for an invention for—"Improvements in machinery for obtaining motive-power, applicable also to measuring, raising, exhausting, forcing and compressing fluids." <i>Provisional protection only.</i>
BOUSFIELD. 24th December 1868.	3941. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in steam valves and their adjuncts."— <i>A communication to him from abroad by Edward Halliday Ashcroft, a person resident at Lynn, in the County of Essex and State of Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
EHRHARDT. 24th December 1868.	3942. WILLIAM EHRHARDT, of Birmingham, in the County of Warwick, Chronometer and Watch Manufacturer, for an invention for—"Improvements in watches." <i>Letters Patent sealed.</i>
HILLEBRANDT. 24th December 1868.	3943. HERMANN HILLEBRANDT, of the firm of Hillebrandt and Altendorf, of Birmingham, in the County of Warwick, Merchants, for an invention for—"Improvements in repeating fire-arms."— <i>A communication to him from abroad by Joseph Hillebrandt, of Liège, in the Kingdom of Belgium, Gun Manufacturer.</i> <i>Provisional protection only.</i>
BROOMAN. 26th December 1868.	3944. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved portable lamp or lantern."— <i>A communication to him from abroad by Auguste Beliard and Adolphe Delaplace, both of 23, Boulevard de Strasbourg, Paris, France.</i> <i>Provisional protection only.</i>
BUTTERWORTH. 26th December 1868.	3945. ELLIS BUTTERWORTH, of Calder Cottage, near Rochdale, in the County of Lancaster, for an invention for—"Certain improvements in or applicable to furnaces." <i>Provisional protection only.</i>
GORDON. 26th December 1868.	3946. CHARLES GORDON, of Goswell Road, in the County of Middlesex, Distiller, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Provisional protection only.</i>
ELDRIDGE. SMITH. 26th December 1868.	3947. GEORGE ELDRIDGE, of No. 1, Essex Place, Grange Road, Dalston, and ISAAC SMITH, of No. 4, Almorah Road, Downham Road, Islington, both in the County of Middlesex, for an invention for—"Improvements in apparatus for closing casks and filling and drawing off liquid therefrom." <i>Provisional protection only.</i>
MILLS. 28th December 1868.	3948. JAMES PERRY MILLS, of 36, St. Helena Place, Wilmington Square, in the County of Middlesex, for an invention for—"Improvements in the rest pins or keys for pianofortes, harps and all other musical string instruments." <i>Provisional protection only.</i>
HARINGTON. 28th December 1868.	3949. ALEXANDER STUART HARINGTON, of the St. James's Club, Piccadilly, in the County of Middlesex, Esquire, for an invention for—"An improved pouch for tobacco and other articles used by smokers." <i>Provisional protection only.</i>
LAKE. 28th December 1868.	3950. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved machine for pegging boots and shoes."— <i>A communication to him from abroad by David Childs Rogers, of Conway, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
YORATH. 28th December 1868.	3951. HENRY YORATH, of Molton Penmark, Cowbridge, in the County of Glamorgan, for an invention for—"Improvements in apparatus for elevating corn, hay and other crops on to stacks." <i>Letters Patent sealed.</i>
ABEL. 29th December 1868.	3952. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of wrought metal pipes and in the apparatus employed for that purpose."— <i>A communication to him from abroad by James Beach Clow, of Allegheny, State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>

- LANDA.**
29th December 1868. **3953. JULES ALEXANDRE ALPHONSE LANDA**, of Paris, Cour des Miracles, No. 6, Engraver, for an invention for—"An improved machinery for engraving letters, medallions and other ornaments on stone or metal." *Letters Patent sealed.*
- BROWNE.**
29th December 1868. **3954. ALEXANDER BROWNE**, of the firm of Browne and Company, Patent Agents, of 49, King William Street, in the City of London, for an invention for—"Improved methods and processes of manufacturing illuminating gas, and apparatus to be employed therein and therefor, and in treating the products of such processes to improve and increase their commercial value."—*A communication to him from abroad by George Bligh Capel, of Halifax, Nova Scotia.* *Provisional protection only.*
- PICK.**
29th December 1868. **3955. IGNAC PICK**, of Silver Street, Falcon Square, in the City of London, Fancy Bag Manufacturer, for an invention for—"Improvements in the manufacture of travelling and hand bags." *Letters Patent sealed.*
- MICHEL.**
29th December 1868. **3956. FRANÇOIS ALEXANDRE VICTOR MICHEL**, of Rue Servandoni, Paris, in the French Empire, Typographical Electrotyper, for an invention for—"Improvements in the manufacture or production of printing surfaces." *Letters Patent sealed.*
- GILLMAN.**
29th December 1868. **3957. JAMES GILLMAN**, Scale Manufacturer, Wolverhampton, for an invention for—"A contracting lever scale." *Provisional protection only.*
- GISBORNE.**
29th December 1868. **3958. FREDERIC NEWTON GISBORNE**, of 445, West Strand, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for giving motion to sewing and other machines." *Provisional protection only.*
- BOUSFIELD.**
29th December 1868. **3959. GEORGE TOMLINSON BOUSFIELD**, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in extracting the coloring matter of madder root from the ligneous matter of the plant."—*A communication to him from abroad by Alfred Paraf, a person resident at New York, United States of America.* *Letters Patent sealed.*
- SLATER.**
29th December 1868. **3960. GEORGE SLATER**, of Lamb's Passage, in the County of Middlesex, Engineer, for an invention for—"An improved machine for plaiting or doubling strips or sheets of cloth, paper and other materials." *Provisional protection only.*
- MARSH.**
29th December 1868. **3961. JOHN MARSH**, of the City of Westminster, in the County of Middlesex, for an invention for—"Improvements in covering or capping bottles, jars and other surfaces." *Provisional protection only.*
- HUGHES.**
HUGHES.
30th December 1868. **3962. RICHARD HUGHES**, and **THOMAS HUGHES**, both of New Cross, in the County of Surrey, Civil Engineers, for an invention for—"Improvements in velocipedes." *Provisional protection only.*
- LAURIE.**
WHITTAKER.
30th December 1868. **3963. JOHN LAURIE**, of Seacombe Forge Rivet and Bolt Works, in the County of Chester, and **JAMES WHITTAKER**, of the same place, Manager, for an invention for—"Improvements in machinery for screwing and tapping." *Provisional protection only.*
- FOX.**
FOX.
REFFITT.
GRANGE.
30th December 1868. **3964. SAMSON FOX**, **WILLIAM FOX**, and **JOSEPH REFFITT**, of Silver Cross Works, Leeds, in the County of York, Engineers and Tool Makers, and **GEORGE GRANGE**, of Pateley Bridge, in the said County, Bobbin Turner, for an invention for—"Improvements in machinery or apparatus for cutting and shaping wood or other materials." *Letters Patent sealed.*
- CAZALAT.**
30th December 1868. **3965. ANTOINE GALY CAZALAT**, of 13, Rue Gaillon, Paris, Empire of France, Engineer, for an invention for—"Improvements in the manufacture of steel and in the apparatus employed therein." *Provisional protection only.*
- HUTCHESON.**
HUTCHESON.
30th December 1868. **3966. JAMES HUTCHESON**, and **ARCHIBALD HUTCHESON**, both of the City of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"A new or improved elevator." *Provisional protection only.*
- HENLEY.**
30th December 1868. **3967. THOMAS FREDERICK HENLEY**, of Pimlico, in the County of Middlesex, Civil Engineer, for an invention for—"Improved means of operating upon stick or gum lac for the extraction of coloring matter or lac dye, and for the production of shell lac." *Letters Patent sealed.*
- JOHNSON.**
30th December 1868. **3968. JOHN HENRY JOHNSON**, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of paper tubes employed in the spinning of wool and other fibrous substances, and in the machinery or apparatus employed therein."—*A communication to him from abroad by Mathias Schaffhauser, of Paris, in the Empire of France.* *Letters Patent sealed.*

WINTER. 30th December 1868.	3969. WILLIAM WINTER, of Leeds, in the County of York, Sewing-Machine Maker and General Machinist, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
MONESTIER. BANG. 30th December 1868.	3970. CHARLES MONESTIER, and IVAR BANG, of Paris (Boulevard St. Michel, No. 125), Manufacturers, for an invention for—"Improvements in the preparation of impermeable paper for manufacturing several fabrics or articles." <i>Provisional protection only.</i>
DAVIES. 30th December 1868.	3971. GEORGE DAVIES, of No. 4, Saint Ann's Square, Manchester, in the County of Lancaster, Civil Engineer and Patent Agent, for an invention for—"Improvements in separating ores and other materials and in apparatus therefor."— <i>A communication to him from abroad by Max Braun, of Vieille Montagne, Westphalia.</i> <i>Letters Patent sealed.</i>
GORNALL. GORNALL. 30th December 1868.	3972. PAUL GORNALL, and RICHARD GORNALL, of Blackburn, in the County of Lancaster, Spindle and Fly Makers, for an invention for—"Improvements in the 'long collars' of roving and slubbing frames used in the manufacture of cotton or other fibrous material." <i>Letters Patent sealed.</i>
BIGG. 30th December 1868.	3973. HENRY HEATHER BIGG, of Wimpole Street, Cavendish Square, in the County of Middlesex, Anatomical Mechanician, for an invention for—"Improvements in the construction of artificial legs." <i>Provisional protection only.</i>
NOUALHIER. 30th December 1868.	3974. EUGENE THEODORE NOUALHIER, of Paris, in the French Empire, Manufacturer, for an invention for—"Improvements in apparatus for supplying, blowing in and exhausting air, producing draft and ventilating." <i>Letters Patent sealed.</i>
GEDGE. 30th December 1868.	3975. JOHN GEDGE, of Leo House, Addington Square, Margate, in the County of Kent, Patent Agent, for an invention for—"Improvements in the manufacture of gas apparatus or fittings." <i>Provisional protection only.</i>
BONNEVILLE. 31st December 1868.	3976. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 18, Chaussée d'Antin, Paris, in the Empire of France, and 10, Sackville Street, Piccadilly, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved apparatus for drying and growing malt and all other grains, fruits or vegetables."— <i>A communication from Joseph Gecmen, a person resident at Chicago, in the County of Cook and State of Illinois, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
DE BERGUE. 31st December 1868.	3977. CHARLES DE BERGUE, of 10, Strand, in the City of Westminster, Engineer, for an invention for—"Improvements in the permanent way of railways and of street tramways." <i>Letters Patent sealed.</i>
GEDGE. 31st December 1868.	3978. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"A novel kind of sweetmeat."— <i>A communication to him from abroad by François Aroud, of the firm of François Aroud and Company, of Lyons, France, Chemists and Druggists.</i> <i>Provisional protection only.</i>
LAKE. 31st December 1868.	3979. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in spinning machines."— <i>A communication to him from abroad by John Goulding, of Worcester, Massachusetts, United States of America, Manufacturer.</i> <i>Letters Patent sealed.</i>
LAKE. 31st December 1868.	3980. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for untwisting and separating the fibres of hair ropes."— <i>A communication to him from abroad by Abner Mellen, John H. Wilcox, and Abner Mellen, junior, all of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
VON OPPEN. 31st December 1868.	3981. FREDERIC AUGUST KUNOW WALDEMAR VON OPPEN, of No. 14, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in revolving breech-loading fire-arms and in cartridges for the same, and in devices attached to the said fire-arms for charging the cartridges."— <i>A communication to him from abroad by the Colt's Patent Fire-arms Manufacturing Company (Incorporated), of Hartford, Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>

BARCLAY. 31st December 1863.	3982. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, for an invention for—"Improvements in air pumps." <i>Letters Patent sealed.</i>
SAMUELSON. 31st December 1863.	3983. BERNHARD SAMUELSON, of Banbury, in the County of Oxford, Engineer, for an invention for—"Improvements in the manufacture of iron and steel and in the apparatus connected therewith." <i>Letters Patent sealed.</i>
SPILL. 31st December 1868.	3984. DANIEL SPILL, of Paradise Terrace, Hackney, in the County of Middlesex, for an invention for—"Improvements in the production of compounds containing xyloidine." <i>Letters Patent sealed.</i>
WELLS. 31st December 1868.	3985. GEORGE MILES WELLS, of 13, Belitha Villas, Barnsbury, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in wrenches."— <i>A communication to him from abroad by William Baxter, of Newark, State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 31st December 1868.	3986. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in washing-machines."— <i>A communication to him from abroad by Hamilton Erastus Smith, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 31st December 1868.	3987. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in revolving fire-arms and in cartridges for the same and for other fire-arms."— <i>A communication to him from abroad by Ebenezer Howard Plant, Anzi Perrin Plant, and Alfred Hotchkiss, all of Southington, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
GRIFFITHS. 31st December 1868.	3988. ROBERT GRIFFITHS, of Rhual Issa, near Mold, in the County of Flint, Engineer, for an invention for—"Improvements in propelling vessels and in the arrangement and construction of screw propellers and apparatus connected therewith." <i>Letters Patent sealed.</i>
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Oxford (*Public Free Library, Town Hall*).
 Paisley (*Government School of Designs, Gilmour Street*).
 Plymouth (*Mechanics' Institute, Princess Square*).
 Preston, Lancashire (*Dr. Shepherd's Library, the Institution, Avenham*).
 Reading (*Literary, Scientific, and Mechanics' Institution, London Street*).
 Rochdale (*Commissioners' Rooms, Smith Street*).
 Rotherham (*Board of Health Offices, Howard Street*).
 Salford (*Royal Museum and Library, Peel Park*).
 Sheffield (*Free Public Library, Surrey Street*).
 Shrewsbury (*Public Museum, College Street*).
 Southampton (*Corporation Library, Audit House*).
 Stirling (*Burgh Library, Town House, Broad Street*).
 Stockport (*Court House, Vernon Street, Warren Street*).
 Sunderland (*Corporation Museum, Athenæum, Fawcett Street*).
 Wakefield (*Mechanics' Institution, Barstow Square*).
 Warrington (*The Museum and Library*).
 Waterford (*Town Hall, The Mall*).
 Wexford (*Mechanics' Institute, Crescent Quay*).
 Wigan.
 Wolverhampton (*School of Practical Art, Darlington Street*).
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 Board of Trade, Whitehall.
 Ordnance Office—Pall Mall.
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 Dublin Castle, Dublin.
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Seats of Learning and Societies.

Cambridge University.
 Trinity College, Dublin.
 Queen's College, Galway.
 Incorporated Law Society, Chancery Lane, London.

British Colonies.

Antigua.	Cape of Good Hope.
Barbados.	Ceylon.
British Guiana.	India—Bengal.
Canada—Library of Parliament, Ottawa.	North-west Provinces.
Bureau of Agriculture, Toronto.	Madras.
	Bombay.
Board of Arts and Manufactures, Montreal.	Jamaica.
	Malta.
	Mauritius.
	New Brunswick.
	Newfoundland.

New South Wales.	Victoria—Patent Office,
New Zealand.	Melbourne.
Nova Scotia.	Parliamentary
Prince Edward Island.	Library, Mel-
South Australia—Colonial	bourne.
Institute, Adelaide.	Public Library,
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Trinidad.	

Foreign States.

Argentine Republic—Buenos Ayres.
 Austria—Handels Ministerium, Vienna.
 Bavaria—Königliche Bibliothek, Munich.
 Belgium—Ministère de l'Intérieur, Brussels.
 Musée de l'Industrie, Brussels.
 France—Bibliothèque Impériale,
 Conservatoire des Arts et Métiers, } Paris.
 Hôtel de Ville,
 Société Industrielle de Mulhouse.
 Gotha—Ducal Friedenstein Collection.
 Italy—Uffizio delle Privative, Florence.
 Netherlands—Ministère de l'Intérieur, The Hague.
 Prussia—Gewerbe-Akademie, Berlin.
 Königliche Bibliothek, Berlin.
 Ministerium des Innern, Hanover.
 Russia—Bibliothèque Impériale, St. Petersburg.
 Saxony—Polytechnische Schule, Dresden.
 Spain—Madrid.
 Sweden—Teknologiska Institutet, Stockholm.
 United States—Patent Office, Washington.
 Astor Library, New York.
 State Library, Albany.
 Franklin Institute, Philadelphia.
 Free Library, Boston.
 Philadelphia Library Company.
 Young Men's Association Library,
 Chicago.
 Peabody Institute, Baltimore.
 Historical Society, Madison, Wisconsin.
 Cornell University, Ithaca, N.Y.
 Wurtemberg—Bibliothek des Musterlagers, Stuttgart.

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 Alnwick (*Mechanics' Institute*).
 Altrincham (*Literary Institution*).
 Ashby-de-la-Zouch (*Mutual Improvement Society*).
 Bacup (*Mechanics' Institution*).
 Ballymoney (*Town Hall*).
 Banbridge (*Literary and Mutual Improvement Society*).
 Banbury (*Mechanics' Institution*).
 Barnstaple (*Literary and Scientific Institution*).
 Bath (*Athenæum*).
 Batley (*Mechanics' Institution*).
 Berkhamstead, Great (*Working Men's College*).
 Birmingham (*Birmingham Heath and Smethwick Working Men's Club and Institute*).
 (*Bloomsbury Institution*).
 (*Deritend Working Men's Association*).
 (*Graham Street Institution*).
 Bodmin (*Literary Institution*).
 Bolton (*Mechanics' Institute*).
 (*Science and Art School*).
 Bradford, near Manchester (*Bradford Working Men's Club*).
 Bradford, Yorkshire (*Library and Literary Society*).
 (*Mechanics' Institution*).
 Bampton, near Chesterfield (*Local Museum and Literary Institute*).
 Breage, Cornwall (*Literary and Scientific Institution*).
 Bristol (*Athenæum*).
 (*Institution*).
 (*Law Library*).
 (*Library*).
 Bromsgrove (*Literary and Mechanics' Institute*).
 Barnley (*Mechanics' Institution*).
 (*Literary Institution*).
 Burslem (*Wedgwood Institute*).
 Bury St. Edmund's (*Mechanics' Institution*).
 Canterbury (*Working Men's Club*).
 Cardiff (*Free Library*).
 Cardigan (*Mechanics' Institute*).
 Carharrack (*Literary Institute*).
 Carmarthen (*Literary and Scientific Institute*).
 Cheltenham (*Literary and Philosophical Society*).
 (*Permanent Library*).
 (*Working Men's Club*).
 Chertsey (*Literary and Scientific Institute*).
 Chester (*City Library and Reading Room*).
 Chesterfield (*Mechanics' Institute*).
 Chichester (*Literary and Philosophical Society*).
 (*Literary Society and Mechanics' Institute*).
 Coalbrookdale (*Literary Institute*).
 Coekermouth (*Mechanics' Institute*).
 Colchester (*Literary Institution*).
 (*Young Men's Christian Association*).
 Compstall (*Athenæum*).
 Coventry (*Free Library*).
 (*Institute*).
 (*School of Art*).
 Dartmouth (*Mutual Improvement Society*).
 Darwen, Over (*Mechanics' Institute*).
 Deal and Walmer (*Institute*).
 Denton and Haughton (*Mechanics' Institute*).
 Derby (*Mechanics' Institution*).
 Devonport (*Mechanics' Institute*).
 Dewsbury (*Mechanics' Institute*).
 Doncaster (*Free Library*).
 (*Great Northern Mechanics' Institute*).
 Dorchester (*County Museum and Library*).
 (*Working Men's Institute*).
 Dudley (*Mechanics' Institute*).
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 Eagley, Bolton-le-Moors (*Institute*).
 Earlestown, Newton-le-Willows (*Mutual Improvement Society*).
 Edinburgh (*Horological Society*).
 (*Mechanics' Library*).
 (*Philosophical Institution*).
 (*Royal Society of Arts*).
 (*Royal Scottish Society of Arts*).
 (*Subscription Library*).
 (*Watt Institution and School of Art*).
 (*Working Men's Club*).
 Egham (*Institute and Public Reading Room*).
 Egremont (*Mechanics' Institution*).
 Exeter (*Devon and Exeter Albert Memorial Museum*).
 Faversham (*Literary and Scientific Institute*).
 Frome (*Literary and Scientific Institution*).
 Gainsborough (*Literary Society and Mechanics' Institute*).
 Garforth, near Leeds (*Working Men's Club*).
 Glasgow (*Athenæum*).
 (*Mechanics' Institute, Bath Street*).
 (*Philosophical Society*).
 Grantham (*Public Literary Institution*).
 Gravesend (*Library and Reading Room*).
 Greenwich (*Working Men's Institution*).
 Guildford (*Mechanics' Institute*).
 Halesworth (*Mechanics' Institution*).
 Halifax (*Literary and Philosophical Society*).
 (*Mechanics' Institution*).
 (*Working Men's College*).
 Haslingdon (*Mechanics' Institution*).
 Hastings (*Literary and Scientific Institution*).
 Hawarden (*Literary and Scientific Institution*).
 Helston (*Reading Room and Library*).
 Hereford (*Natural History, Philosophical, Antiquarian, and Literary Society*).
 Hertford (*Literary and Scientific Institute*).
 Heywood (*Mechanics' Institute*).
 Holbeck (*Mechanics' Institute*).
 Hollingwood (*Working Men's Club*).
 Holywell Green (*Mechanics' Institute*).
 Huddersfield (*Mechanics' Institute*).
 Hull (*Church Institute*).
 (*Literary, Scientific, and Mechanics' Institute*).
 (*Lyceum Library*).
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 (*Working Men's Institute*).
 Kidderminster (*Mechanics' Institute*).
 Lancaster (*Mechanics' Institute and School of Science*).
 Leeds (*Church Institute*).
 (*Library*).
 (*Mechanics' Institute and Literary Society*).
 (*Philosophical and Literary Society*).
 (*Working Men's Institute*).
 (*Young Men's Christian Association*).
 Leighton Buzzard (*Working Men's Mutual Improvement Society*).
 Leith (*Mechanics' Subscription Library*).
 Lewes (*Mechanics' Institute*).
 (*School of Art*).
 Lincoln (*Mechanics' Institute*).

- Liverpool (*Institute*).
 (*Mechanics' Institute*).
 (*Medical Institute*).
 (*Polytechnic Society*).
- Llanelli (*Chamber of Commerce and Reading Room*).
- London (*Athenæum Club, Pall Mall*).
 (*Beaumont Institute, Mile End*).
 (*Bedford Working Men's Institute, Spitalfields*).
 (*Birkbeck Institute, Southampton Buildings, Chancery Lane*).
 (*Clerkenwell Club, Lower Rosoman Street*).
 (*Holloway Working Men's Club and Institute, Holloway Road*).
 (*Literary and Scientific Association, Wellington Street, Islington*).
 (*St. James and Soho Working Men's Club, Rupert Street, Soho*).
 (*St. Mary Charterhouse Working Men's Club, Golden Lane*).
 (*South London Working Men's College, Blackfriars Road*).
 (*Southwark Working Men's Club, Broadwall, Stamford Street*).
 (*Spring Vale Institution, Hammersmith*).
 (*Working Men's Club, Brixton Hill*).
 (*Working Men's Club, St. Mark's, Victoria Docks*).
 (*Working Men's Club and Institute Union, Strand*).
 (*Working Men's College, Battersea*).
 (*Working Men's College, Great Ormond Street*).
- Manchester (*Athenæum*).
 (*Law Library*).
 (*Mechanics' Institute*).
 (*Natural History Museum, Peter Street*).
 (*Portico Library, Mosley Street*).
 (*Royal Exchange Library*).
- Mansfield (*Mechanics', Artizans', and Apprentices' Library*).
- Middlesborough (*Mechanics' Institution*).
- Modbury (*Mechanics' Institute*).
- Mossley (*Mechanics' Institute*).
- Newark (*Mechanics' Institute*).
- Newcastle-upon-Tyne (*Mechanics' Institute*).
 (*Working Men's Club*).
- New Mills, near Stockport (*Mechanics' Institute*).
- Newport, Isle of Wight (*Young Men's Society and Reading Room*).
- Northampton (*Mechanics' Institute*).
- Nottingham (*Free Library*).
 (*Mechanics' Institute*).
 (*Subscription Library, Bromley House*).
- Oldham (*Analytic Literary Institute*).
 (*Mechanics' Institute, Werneth*).
- Ormskirk (*Public Library*).
- Oswestry (*Institute*).
- Patricroft (*Mechanics' Institution*).
- Pembroke Dock (*Mechanics' Institute*).
- Pendleton (*Mechanics' Institution*).
- Perth (*Mechanics' Library, High Street*).
- Plymouth (*Working Men's Institute*).
- Poole (*Literary and Scientific Institute*).
 (*Mechanics' Institute*).
- Portsea (*Athenæum and Mechanics' Institute*).
- Preston (*Arenham Institution*).
 (*Society of Useful Knowledge*).
- Rawtenstall (*Mechanics' Institute*).
- Richmond (*Working Men's College*).
- Rotherham (*Rotherham and Mashbro' Literary and Mechanics' Institute*).
- Royston (*Mechanics' Institute*).
- Ryde, Isle of Wight (*Philosophical and Scientific Society*).
- Saffron Walden (*Literary and Scientific Institute*).
- St. Just (*Institute*).
- St. Leonards (*Mechanics' Institute*).
- Salford (*Working Men's Club*).
- Saltaire (*Literary Institute*).
- Sheffield (*Literary and Philosophical Society School of Arts*).
- Skipton, Yorkshire (*Mechanics' Institute*).
- Southampton (*Hartley Institute*).
 (*Polytechnic Institute*).
- Southport (*Athenæum*).
- South Shields (*Working Men's Institute and Club*).
- Spalding (*Mechanics' Institute*).
 (*Christian Young Men's Association*).
- Staines (*Literary and Scientific Institute*).
 (*Mechanics' Institution*).
- Stamford (*Institution*).
- Stourbridge (*Church of England Association*).
 (*Iron Works Reading Room and Library*).
 (*Mechanics' Institute*).
 (*Working Men's Institute*).
- Stratford (*Working Men's Hall*).
- Sunderland (*Working Men's Club*).
- Swansea (*Royal Institution of South Wales*).
 (*Working Man's Institute*).
- Tavistock (*Mechanics' Institute*).
 (*Public Library*).
- Thornton, near Bradford (*Mechanics' Institute*).
- Thornton Heath, Croydon (*Workmen's Club*).
- Truro (*Cornwall County Library*).
 (*Institution*).
 (*Royal Institution of Cornwall*).
- Tunbridge Wells (*Mechanics' Institution*).
 (*Society of Literature and Science*).
- Turton, near Bolton (*Chapel Town Institute*).
- Ulverston (*Temperance Hall*).
- Uttoxeter (*Mechanics' Literary Institute*).
- Wakefield (*Mechanics' Institute*).
- Wells, Somerset (*Young Men's Society*).
- Whaleybridge (*Mechanics' Institute*).
- Whitby (*Mechanics' Institute*).
 (*Museum*).
 (*Subscription Library*).
- Whitehaven (*Mechanics' Institute*).
 (*Working Men's Reading Room*).
- Wisbeach (*Mechanics' Institute*).
- Wolverhampton (*Library*).
- Wolverton (*Institute*).
- Woodbridge (*Literary and Mechanics' Institute*).
 (*Working Men's Hall*).
- Worcester (*Railway Literary Institute*).
 (*Workmen's Hall*).
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 (*Institute of Popular Science, &c.*).
 (*Railway Library*).

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Birmingham (<i>Institution of Mechanical Engineers, New-hall Street</i>).	(<i>Institution of Civil Engineers</i>).
Boston, Lincolnshire (<i>Public Offices, Market Place</i>).	(<i>Odontological Society</i>).
Cambridge (<i>Free Library, Jesus Lane</i>).	(<i>Royal Society</i>).
Chester (<i>Mechanics' Institute, St. John Street</i>).	(<i>United Service Museum</i>).
Coalbrookdale (<i>Literary and Scientific Institution</i>).	Manchester (<i>Literary and Philosophical Society, George Street</i>).
Coventry (<i>Watchmakers' Association</i>).	(<i>Mechanics' Institution, David Street</i>).
Dublin (<i>Dublin Library, D'Olier Street</i>).	Oxford (<i>Bodleian Library</i>).
Edinburgh (<i>Horological Society</i>).	Stretford, near Manchester (<i>Mechanics' Institute</i>).
Ennis (<i>Public Library</i>).	Swindon, New (<i>Mechanics' Institute</i>).
Gloucester (<i>Working Men's Institute, Southgate Street</i>).	Tamworth (<i>Library and Reading Room, George Street</i>).
Ipswich (<i>Mechanics' Institute, Tavern Street</i>).	Yarmouth, Norfolk (<i>Public Library, South Quay</i>).
Kew (<i>Library of the Royal Gardens</i>).	
Kington, Herefordshire (<i>Reading Institute</i>).	<i>British Colonies and Foreign States.</i>
Leominster (<i>Literary Institute</i>).	British Columbia— <i>Mechanics' Institute, Victoria.</i>
London (<i>House of Lords</i>).	Public Library, New Westminster.
(<i>House of Commons</i>).	France— <i>Academy of Science, Paris.</i>
(<i>Hon. Soc. of Gray's Inn</i>).	Netherlands— <i>Bibliothèque de l'Ecole Polytechnique de Delft.</i>
(" " <i>Inner Temple</i>).	Russia— <i>Imperial Technological Institute, St. Petersburg.</i>
(" " <i>Lincoln's Inn</i>).	Turkey— <i>Literary and Scientific Institute, Smyrna.</i>
(" " <i>Middle Temple</i>).	United States— <i>American Institute, New York.</i>
(<i>Aeronautical Society</i>).	Smithsonian Institute, Washington.

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